COMPARING THE EFFICACY OF VISUAL INSPECTION WITH ACETIC ACID AND LUGOL'S IODINE AS A SCREENING TOOL FOR DETECTING CERVICAL LESIONS IN ASYMTOMATIC WOMEN OF REPRODUCTIVE AGE GROUP WITH COLPOSCOPY AS GOLD STANDARD

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in partial fulfillment for the award of the Degree of

M.D. OBSTETRICS AND GYNAECOLOGY

BRANCH II

MADRAS MEDICAL COLLEGE

CHENNAI

MARCH-2010

CERTIFICATE

This is to certify that the dissertation titled "**COMPARING THE EFFICACY OF VISUAL INSPECTION WITH ACETIC ACID AND LUGOL'S IODINE AS A SCREENING TOOL FOR DETECTING CERVICAL LESIONS IN ASYMTOMATIC WOMEN OF REPRODUCTIVE AGE GROUP WITH COLPOSCOPY AS GOLD STANDARD"** is the bonafide work done by **Dr. M. KAVITHA** between September 2008 to August 2009 during her M.D.,O.G., course at ISO -KGH, MMC Chennai.

DEAN

MADRAS MEDICAL COLLEGE

DIRECTOR

ISO-GOVT. KGH

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I thank **my family & friends** for their inspiration & support given to me.

ETHICAL COMMITTEE CERTIFICATE

No :
Dated :

I, Dr.M.KAVITHA apply for the ethical committee certificate for the project **"EFFICACY OF VIM AS A SCREENING TOOL FOR DETECTING CERVICAL LESIONS IN ASYMPTOMATIC WOMEN OF REPRODUCTIVE AGE GROUP WITH COLPOSCOPY AS GOLD STANDARD"** under the guidance of Dr. Vasantha.N.Subbiah,M.D. D.G.O., Director,Institute of social obstetrics, Govt. Kasturba Gandhi Hospital, Triplicane, Chennai-5.

I understand the implications of doing research with human subjects and will fully comply with the regulations and keep the dignity and protect the health of subjects at all costs.

Signature of the Postgraduate Student

I have no objection to guiding this postgraduate student in the project mentioned above. I shall supervise to the extent that all the human rights are protected and research is carried on with utmost humanitarian principles.

Signature of the Guide

Seal of Guide

Senior Civil Surgeon
Institute of Social Obstetrics and
Govt. Kasturba Gandhi Hospital for
Women and Children, Chepauk,
Triplicane, Chennai-600 005

I Certify that this project has been presented in front of the Ethical Committee on duly formated in this institution and that all the members of the ethical committee have given permission to conduct this research

CHARIMAN ETHICAL COMMITTEE

Date :

Seal

Professor & Head
Dept. of Community Medicin
Stanley Medical College
Chennai - 600 001.

INTRODUCTION

Cancer Cervix:

Cancer cervix is the most common genital cancer in developing countries and second most common genital cancer in developed countries.

Carcinoma cervix has long pre-invasive stage of over 10-15 years. Availability of effective screening programmes and effective treatment along with long pre-invasive stage, make road for reducing morbidity and mortality due to cervical cancer by early detection of pre-invasive lesions. Cervical cancer screening programmes to detect and treat cervical neoplasia have dramatic impact on incidence of invasive cancer.

Incidence:

Worldwide, cervical cancer is the third most common malignancy and second most common cancer after breast cancer in women. Highest incidence of disease is seen in Caribbean and African countries.

Incidence in Africa : 55/100,000 women

New Delhi : 20.5/100,000 women

Chennai : 32.3 /100,000women

An estimated 4,70,000 new cases of cervical cancer are diagnosed each year world wide and 80% of them occur in developing countries. A quarter of global burden is experienced in India, where about 1, 26,000 new cases and 71,000 deaths attributable to cervical cancer are estimated to occur each year. Cervical cancer constitute 15-55% of all female cancer and value of age standardized incidence ranges from 17.2 to 55 per 1 lakh women in different region in India with 5 year survival rate of less than 40% as most are detected at advanced stage[1].

Routine screening for cervical cancer with pap smear for all women who are or have been sexually active was done previously. In India, lack of experts in cytopathological studies and long period to get cytopathology report makes distinct need for alternate strategy. Now visual inspection of cervix with acetic acid and lugol's iodine is being recommended especially in low resource settings as a screening modality for cervical lesions.

The primary goal of cervical screening is to prevent cervical cancer which is achieved by early detection; eradication and follow-up of pre-invasive cervical lesions. The ability to detect preinvasive cervical lesions coupled with easy accessibility of cervix has contributed greatly to the understanding of cervical carcinogenesis.

Anatomy of cervix:

Cervix is the lower fibro muscular portion of uterus ,measures 3-4 cm in length and 2.5 cm in diameter. However, it varies in size and shape depending on age, parity and menstrual status of the women.

Ectocervix is the most readily visible portion and the endocervix is largely invisible and lies proximal to the external os.

Epithelium of cervix:

Endocervix is lined by tall columnar epithelium in single layer with basal solid nucleus[2]. On visual inspection ,it appears red in color as the underlying vasculature is readily visible through single layer of glandular epithelium. This epithelium is thrown into multiple longitudinal folds protruding into the lumen of the canal, giving rise to papillary projections. It invaginates into the substance of cervical stroma, resulting in formation of endocervical crypts, giving columnar epithelium a grainy appearance. Beneath this layer are cubical or reserve cells from which new surface cells are believed to develop and undergo squamous metaplasia.

Ectocervix lined by stratified squamous epithelium which is composed of 4 layers.

1. Superficial cell layer
2. Intermediate cell layer

3. Parabasal layer

4. Basal layer

The important zones in colposcopy are:

Squamo-columnar junction:

Junction between stratified squamous epithelium and columnar epithelium

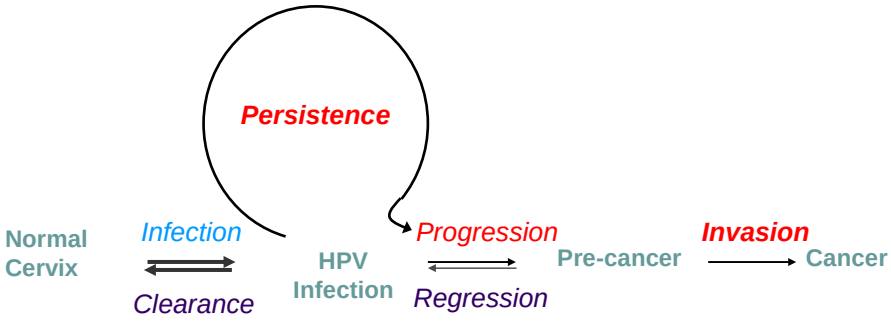
Transformation zone:

Area between new squamocolumnar junction and old or original squamocolumnar junction.

NATURAL HISTORY OF DISEASE[3]:

Understanding the natural history of various degrees of CIN is the cornerstone for the appropriate clinical management.

In addition to the degree of dysplasia,it is likely that the course of a specific lesion is also influenced by number of other factors such as patient's age,inciting HPV type,immune competence and smoking



Comparison of the terminology for cervical preinvasie squamous disease[4].

Bethesda System

WNL	Benign cellular changes	ASCUS	Lsil	Hsil	Carcinoma

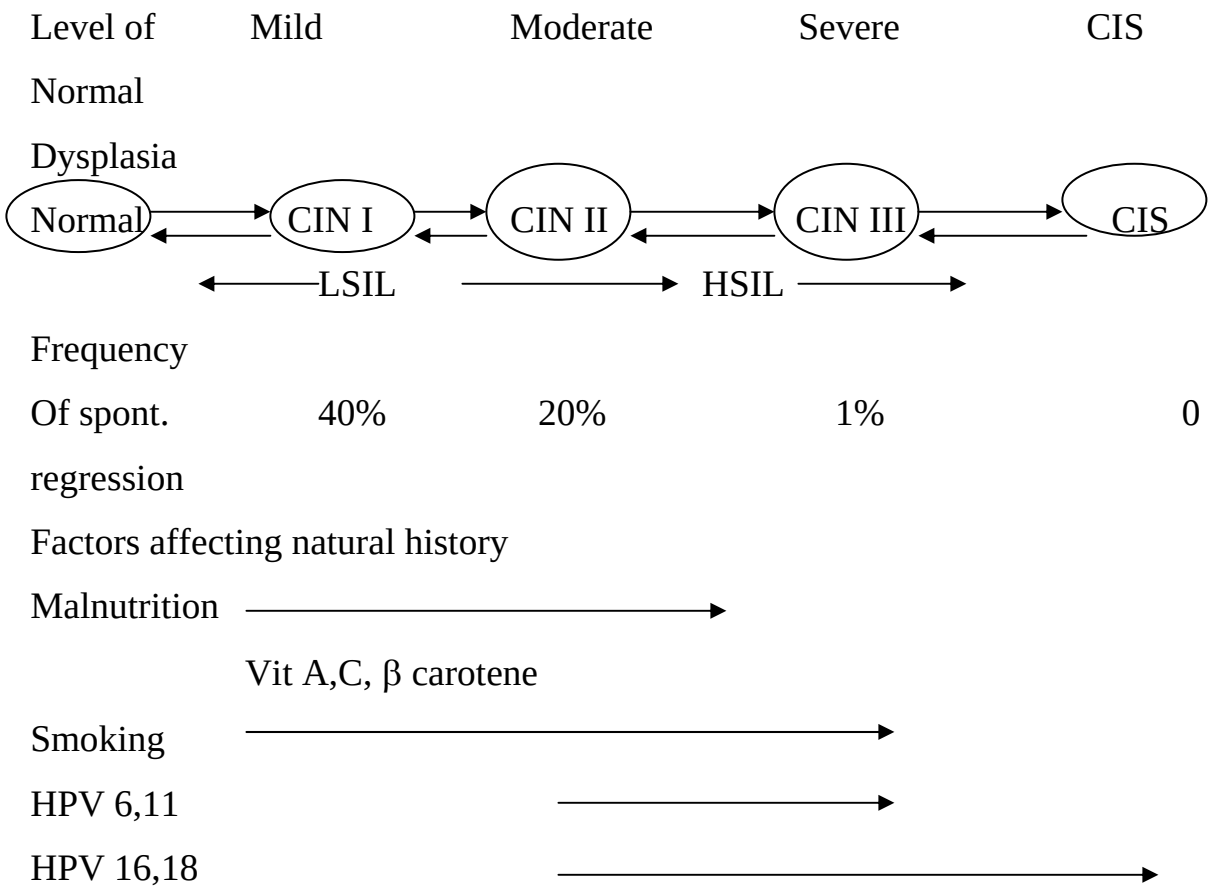
Dysplasia/CIN System

Normal	Inflammation Atypia	Mild dysplasia CIN I Koilocytosis	Moderate dysplasia CIN2	Severe Dysplasia	CIS	Cancer
				CIN 3		

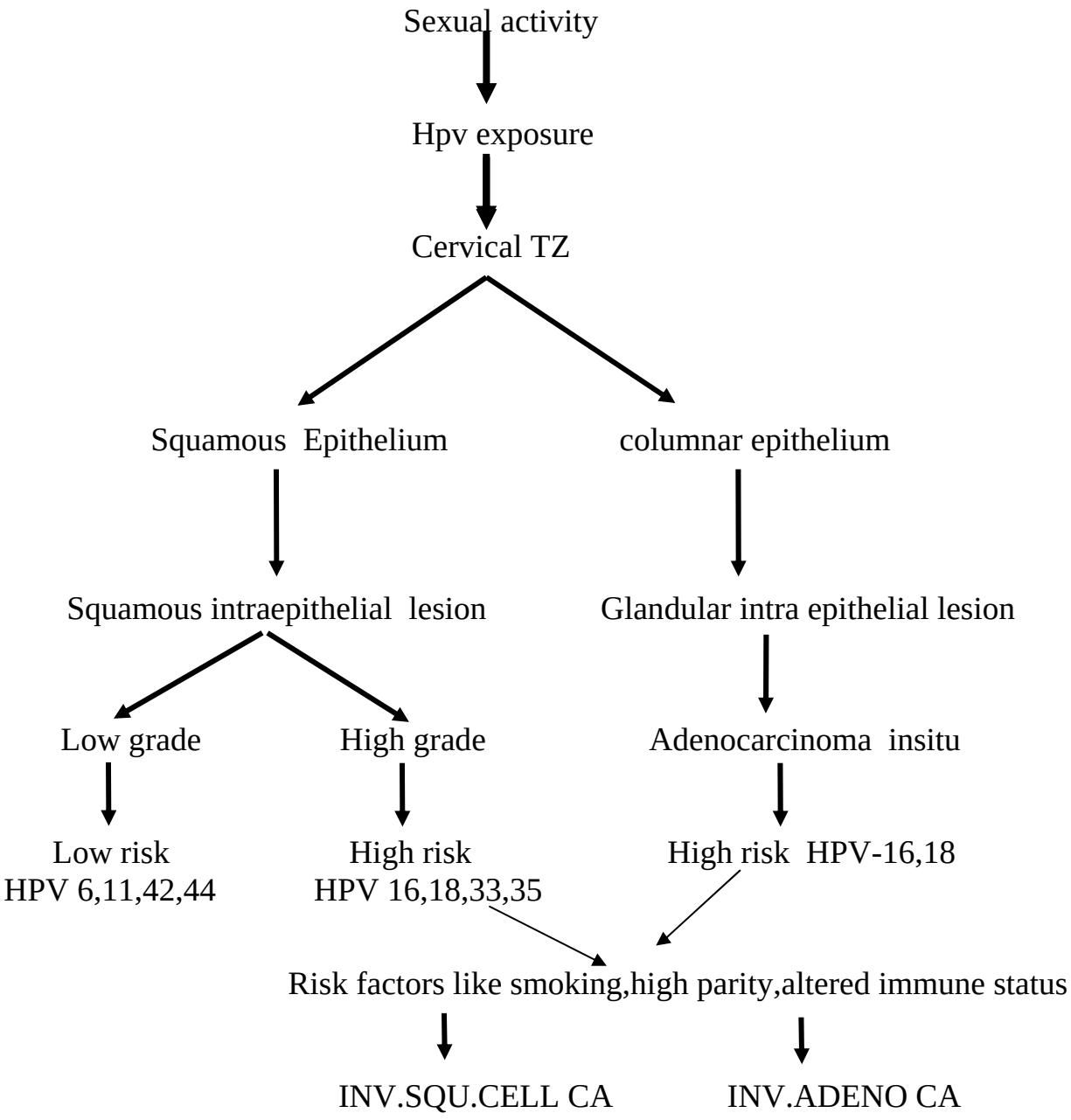
Old Pap System

Class I	Class II	Class IIR	Class III	Class IV	Class V

Epidemiological model for cervical carcinogenesis



Pathogenesis of CIN and invasive cancer:



Approximate value of spontaneous regression or persistence and progression of CIN[5].

COURSE OF CIN	CIN I	CIN II	CIN III
Regression to normal	60%	40%- 50%	33%
Persistence	30%	40%	55%
Progression to cancer	1%	5%	>12%

(Ref): OSTOR AG, Int j Gynaecol.pathology 1993.

Visual screening approaches:

Visual screening is a process of identifying cervical lesions with or without aided eye. Recently several researches has been undertaken to explain the accuracy and acceptability of visual inspection methods as a means of detecting pre-cancerous cervical lesions. Early methods included downstaging i.e., direct inspection of cervix by unaided eye. The outcome was not encouraging. So a promising approach VIA i.e., inspection of cervix after applying acetic acid which stains the abnormal areas white and VILI i.e., inspection of cervix after applying lugol's iodine which does not stain the abnormal areas or stains it yellow were introduced.


MAGNAVISION / MAGNASCOPE

Terminology used for visual screening methods[7]:

Term used for method	magnification	enhancement
1. Schiller's test		
Lugol's iodine test	no	iodine
Visual inspection with Lugol's iodine		
2. Down staging	no	no
3. Direct visual inspection	no	3-5% acetic acid
Acetic acid washes		
Acetic acid visualization		
Acetic acid screening test		
Visual inspection with acetic acid		
Acetic acid test		
4. Aided visual inspection	2.5-4 ×	3-5% acetic acid
Gynoscopy		
Avioscopy		
DVI with magnification		
Visual inspection with acetic Acid & magnification		
5. Speculoscopy	4-6×	3-5% acetic acid
6. Cervicography	3mm photo	3-5%acetic acid

Visual inspection with acetic acid:

Advantages:

Promising tool in low resource settings

Simple low tech approach

Minimally reliant on infrastructure for adequate performance

Cost for launching and sustaining is less than other methods

Sensitivity of VIA in detecting high grade lesions is near equal to cytology though specificity is somewhat lower.

Pathophysiological basis of VIA:

On application of acetic acid,

Normal squamous epithelium appears pink and columnar epithelium appears as bright red due to reflection of light stroma that is highly vascular. Whitening effect of acetic acid depends upon the amount of cellular proteins present in the epithelium. Areas with increased nuclear activity and DNA content exhibit the most dramatic white color change.

Acetowhitening due to inflammation and healing is usually distributed widely and restricted to transformation zone and may quickly disappear .Acetowhitening of CIN takes up promptly and reverses very slowly.

Pathophysiological basis of VILI:

Normal glycogen containing squamous epithelium stains mahogany brown or black after application of iodine.

Columnar epithelium does not take up iodine and remains unstained.

Areas of CIN and invasive cancer do not take up iodine and appear as thick mustard yellow or saffron colored areas

Colposcopy:

In 1925, in Germany Hans Hinselmann introduced colposcopy.

Plays singular role in early diagnosis of cancer cervix

Colposcope is typically defined as a stereoscopic binocular field microscope with a long focal length and powerful light source.

Modern colposcope permits magnification between 2X and 40X although most routine colposcopic work can be accomplished at 10X to 15X magnification.

Indications for colposcopy:

Suspicious looking cervix

Invasive carcinoma on cytology

CIN 2 or CIN 3 on cytology

Persisting low grade abnormalities

CIN 1 on cytology

Persistently unsatisfactory quality on cytology

COLPOSCOPE

HPV infection

Aceto positivity on VIA

Positive lesion on VILI

Advantages of colposcopy:

Both diagnostic and therapeutic procedures can be done.

- to locate the lesions
- selection of biopsy site
- in selection of treatment of early invasive cancer and CIN

-reduction in unnecessary biopsy

-in the management of abnormal smear in pregnancy.

REVIEW OF LITERATURE:

Pap smear has been recognized widely as the most effective cancer screening test in history of medicine. Pap smear introduced by George papanicoloau into clinical practice circa 1940. It was widely believed that use of this test has been responsible for drastic reduction in the incidence and mortality of cervical cancer in United States, Canada and much of Western Europe in the past 50 years.

The first documented incident of deficiencies in gynecologic cytology laboratories was reported by United States air force. Allegations that claimed inaccuracies on Pap smear diagnosis performed by contract laboratory between 1972 -1977.[8]

Limitations of conventional pap smear:[9]

1. Failure to capture the entire specimen obtained from the patient.
2. Inadequate fixation of the sample.
3. Random distribution of abnormal cells in the sample.
4. Obscuring elements such as blood, inflammation or thick areas of overlapping epithelial cells.
5. Technical variability in the quality of the smear

These obstacles made a way to successful development of computer-assisted screening devices and liquid based cytology.

Liquid-based, thin layer cytology:

Liquid-based, thin layer cytology was developed to overcome the technical limitations of the conventional Pap smear. Limitations like failure to capture the entire specimen obtained from the patient and inadequate fixation are overcome by collection of cells directly into liquid fixative.

Limitation of random distribution of cells overcome by mechanical mixing of the cells creates a homogenous sample in which abnormal cells if present are evenly distributed throughout the sample assuring the sample homogenicity.[10]

Obscuring elements and technical variability in smear preparation addressed in different fashion by the procedures currently available.i.e Thin- prep, autocyte pap. Both these techniques result in consistent thin layer preparation of epithelial cells that are depleted of extraneous elements.

Computer assisted screening devices:

Computer assisted devices designed to screen liquid based, thin layer slides circumvent many of the technical problems faced in conventional pap smear. In 1999, Takahashi et al found that an interactive computer analysis system, the autocyte screen yielded a false negative rate of only 1.8%.[11]

In 1999, Bishop et al reported that autocyte screen detected an improved sensitivity in the detection of SIL, with the computer assisted screening yielding a

98% sensitivity rate compared to a sensitivity rate of 89% by manual screening alone[12].

When used in conjunction with thin layer slides, computer assisted screening devices offer tremendous promise for the future, particularly at a time when the number of cytotechnologists is decreasing and demand for screening increasing.

To date no study has subjected these technologies to the rigor of the current gold standard colposcopy.

In 1998, Papillo et al, found a statistically significant increase in specificity of diagnosis of SIL of the thin prep 81% over the conventional Pap smear 72%.[13]

In 1999, Diaz Rosario et al, found equivalent specificity as determined by biopsy proven dysplasia between thin prep 74% and conventional pap 79%[14.]

Molecular testing of residual material in vial:

An unexpected benefit of liquid based thin layer cytology was discovered upon the realization that abundant cellular material remained in the vial after production of the slide. With the advancement of molecular testing, however biologists begin using the residual material to test for the presence of

infectious organism. To date, successful out of vial testing has been shown for HPV, Chlamydia gonorrhea and HSV.

Recently results of 2 large clinical trials showed that detection of high oncogenic risk HPV types using hybrid capture ll assay effectively separates patients with a cytological diagnosis of ASCUS group into a group of high likelihood of having high grade CIN 2 or CIN 3 and a group that has no increased risk of having high grade CIN[15].

This triage strategy has been shown to reduce unnecessary colposcopic examination in 45% to 60% of women with ASCUS reduce the morbidity, anxiety and cost associated with that procedure. As these procedures require lab facility and trained man power these things are not followed in low resource settings.[16]

Screening with combined modalities:

In 2002, Vassilokos et al, found that combination of high risk HPV detection and automated screening of liquid based thin layer pap smears could separate women with cervical lesions that were ASCUS or higher grade lesions into a human review group from a group with negative cytological findings for an automated review only. The authors predict that 51% of patients would be classified as negative and avoiding the costly review while maintaining 99.6% negative predictive value. Similar combination modality is actively being pursued

in an effort to achieve more sensitive yet cost – effective cervical cancer screening programmes and probably represents the future of cervical screening[17].

Down staging:

Screening for cervical cancer by visual inspection was widely advocated by WHO in 1980s as a way to provide screening services in low resource settings in which cytology was not available.[18]

Large study with 44,970 women was conducted which detected HSIL and cancer with 62% sensitivity and 89% specificity for invasive cancers.[19]

Bharva et al and Sujatha et al used down staging as screening method in 3600 women and detected HSIL with sensitivity of 93% and specificity of 37%

Because of the poor performance of down staging in these studies most authorities have concluded that downstaging offers little merit as a cancer screening test.

Cervicography:

When cervicography was first introduced several small studies were conducted that suggested that it was superior to cervical cytology for detection of CIN II, III and cervical cancer. More recently, two large well designed screening studies critically evaluated the performance of cervicography and compared it with HPV DNA testing and cervical cytology as a screening test. The sensitivity of cervicography when performed under routine conditions was found to be poor. Cervicography correctly identified only 52% of all the biopsy confirmed HSIL and invasive cervical cancers. The specificity of cervicography was reasonable, however. Only 5% of women were referred for colposcopy on the basis of an abnormal cervigram .[20]

Direct visual inspection methods:

These include inspection of cervix after applying acetic acid and lugol's iodine. Many studies confirm that DVI is more sensitive but less specific.DVI identified 88% of biopsy confirmed SIL, whereas cytology and cervicography identified only 63%.so the Italian study by cecchini et al concluded that DVI more sensitive but less specific.

In 1999, six large well controlled studies of DVI have been published from India, Zimbabwe, china and South Africa.

Study by sankaranarayanan et al in 1999, showed that DVI has sensitivity ratio of 1.54($p<0.001$) but the specificity was lower than cytology. (DVI specificity 68% while cytology has 89%)

In 1999, chirenge et al in Zimbabwe studied DVI on 2148 patients and found that DVI is sensitive in 77% and specific in 64% in detection of HSIL and cancer.

Studies by Denny et al in 2002, in South Africa on 2698 women revealed that VIA are 69.8% sensitive and 79.3% specific in detecting HSIL.[21]

Basu et al in 2003, studied VIA on 5881 women in India. The study had sentivity of 55.7% and specificity of 82% in detecting CIN II and above lesions.

Sankaranarayanan et al in 2003, studied 4444 women with VIA to detect CIN II and above lesions. This study showed that VIA is sensitive in detecting 82.6% and the specificity was 86.5%. All patients were subjected to VIA, VILI & PAP SMEAR CYTOLOGY and positive cases were subjected to biopsy. Based on the result VIA & VILI were considered to be suitable alternative screening test to cytology for detecting cervical neoplasia in low resource settings.[22]

A study was conducted by SANKARANARAYANAN et al in collaboration with Calcutta cervical cancer early detection group on visual inspection with acetic acid and cytology in early detection of cervical neoplasia. Study was conducted in 5881 women between 30 – 64 years of age who were screened by VIA/VILI/CYTOLOGY. Positive cases were subjected to biopsy.

Study conducted at Fatima Jinnah College, Department of obstetrics and gynecology, Lahore involving 501 women for comparison of visual inspection of cervix and Pap smear for cervical cancer screening. Of these, 156 subjects were positive with VIA (28.96%) ,while Pap smear was positive in 78 cases (14.4%). The accuracy of VIA was 77.5% compared to 52.8% for Pap smear. They concluded that VIA was more sensitive and highly specific.

Cervical cancer project at university of Zimbabwe / JHPIEGO conducted a study in 1090 women to compare VIA with cytology .They concluded that VIA was highly sensitive and could be valuable in detection of precancerous lesions of the cervix but emphasis to increase the specificity of VIA was made.[23]

The study by Division of Cancer Epidemiology and Genetics, National cancer Institute, Maryland, USA (Jeronimo J, Morales O) involving 1921 asymptomatic women compared the efficacy of VIA AND PAP SMEAR as a screening modality for detecting cancer cervix. They concluded that VIA is good screening method not only in low resource settings but also in well equipped health centers.

Study conducted by Department of Obstetrics and Gynecology, John Hopkins Medical center, Baltimore, MD (Biumenthal PD, Gaffikin L, Chirenje ZM, McGrath J, Womack S.Shah K) using 2199 women to detect cancer cervix using visual inspection methods, HPV and Pap smear showed that in countries with limited resources but with the capacity for HPV testing, sequential testing

involving the use of VIA followed by HPV could yield fewer false positive cases than the use of VIA alone.

Department of Obstetrics and Gynecology, Cleveland Clinic Foundation conducted a study with 1997 women of age 35-45 years to estimate the sensitivity and specificity of VIA and to use it as a primary screening for intraepithelial neoplasia. Visual inspection yielded normal results in 1445 women low grade intraepithelial neoplasia in 525 (36%), high grade in 21(1%), cancer cervix in 6(0.3%). The sensitivity was 65% for smaller lesions and 89% for larger lesions. They concluded that VIA can be used as a screening modality in developing countries.

Cost effectiveness of cervical cancer screening strategies:

Goldie et al, in 2001 estimated the clinical benefits and cost effectiveness of cytology, VIA and HPV testing in South Africa. According to this model, using VIA and treating women with positive results of screening during the same visit was effective. This single visit strategy was estimated to be cost effective and reduce cervical cancer incidence by 26% with a cost of US $ 14 per YLS. The least effective strategy was cytologic examination, which would reduce cervical cancer incidence by 19%, with a cost of US$ 81 per YLS.

Mandelblatt et al, in 2002, estimated the cost effectiveness of screening programmes for women aged 35 to 55 years in Thailand. This model suggest that

using VIA to screen women every five years reduced cervical cancer incidence by 31% at a cost of US$263 per YLS and HPV DNA testing reduces cancer incidence by 20% at a cost of 672 to 3477 US $ per YLS. The model suggested that cytologic screening would be least cost effective in reducing cancer incidence by 11% at a cost of US$ 1459 per YLS.[24]

Geneva Foundation for Medical Education and Research[25]

On-going IARC collaborative studies on VIA for cervical cancer screening

Program design	Interventions evaluated	Location of the study	Number of participants	End points of the program
Randomised, controlled intervention study	VIA, cervical cytology, HPV testing	Osmanabad district, India	160,000 women 30-59 years	Cervical cancer incidence/ mortality; Cost-effectiveness; establishment of a service and training platform for cervical cancer prevention.
Randomised, controlled intervention study	VIA	Dindigul District, India	73,000 women aged 30-59 years	Detection rates of CIN2-3Cervical cancer incidence/mortality; Cost-effectiveness; establishment of a service and training platform for cervical cancer prevention.
Cross-sectional study	VIA, VILI	Burkina Faso, Republic of Congo, Guinea, Hyderabad, India, Laos, Mali, Niger, Mauritania, Tanzania	5000 women aged 30-59 in each location	Test characteristics; Acceptability, efficacy, complications of cryotherapy; establishment of a service and training platform for cervical cancer prevention.
Cross-sectional study	VIA, cytology	Nigeria	2000 women aged 30-64 years	Test characteristics; Acceptability, efficacy, complications of cryotherapy; establishment of a service and training platform for cervical cancer prevention.
Cross-sectional study	VIA, VILI, cervical cytology	Trivandrum and Jaipur India	6000 women 30-59 years in each location	Test characteristics; Acceptability, efficacy, complications of cryotherapy; establishment of a service and training platform for cervical cancer prevention.
Cross-sectional study	VIA, VIAM, VILI, cervical cytology, HPV testing	Calcutta, India	12,000 women aged 30-64 years	Test characteristics; Acceptability, efficacy, complications of cryotherapy; establishment of a service and training platform for cervical cancer prevention.
Cross sectional study	Cervical cytology, HPV testing, VIA, VIAM, VILI	Bombay, India	5000 women aged 30-59 years	Test characteristics; Acceptability, efficacy, complications of cryotherapy; establishment of a service and training platform for cervical cancer prevention

Cervical screening recommendations 1988 and 2002 – 2003:

	1988consensus guidelines	2002 ACS guidelines	2003 ACOG guidelines	2003 USPSTF guidelines
When to start screening	Age 18 or with onset of sexual intercourse	Age 21 or about 3 yrs after onset of vaginal intercourse	Age 21 or about 3 yrs after onset of vaginal intercourse	Age 21 or about 3 yrs after onset of vaginal intercourse
Screening Interval	Annually until 3 consecutive satisfactory negatives then internal may be extended at discretion of provider	Annually until age 30, Biennially if liquid based cytology used	Annually until age 30 using either conventional or liquid based cytology	Every 3 yrs
		Age 30 or older after 3 consecutive satisfactory negatives may screen every 2-3 yrs	Age 30 or older after 3 consecutive satisfactory negatives and no history of CIN 2 or 3 may screen every 2-3 yrs	
When to stop screening	No upper limit	Age 70 in well screened, low risk women	Evidence inconclusive to set upper age	Age 65 in well screened, low risk women
Post hysterectomy	No recommendations	Screening not recommended after hysterectomy for benign indications if cervix removed, if no prior CIN-2or3	Screening not recommended after hysterectomy for benign indications if cervix removed, if no prior CIN-2or3	Discontinue screening after hysterectomy if no evidence of cervical neoplasia or cancer

Existing methods of screening for cervical lesions[7]:

1. Cytological evaluation:

*Pap smear

*Liquid based cytology

*Computerized devices like auto pap,

*Autonet, auto screen.

2. Visual inspection approaches:

*Visual inspection with acetic acid and lugol's iodine.

*Cervicography

*Speculoscopy

*Down staging

3. Aided visual inspection

*gynoscopy

*avioscopy

3. COLPOSCOPY

* Colposcopy

*Colpomicroscopy

*Videocolpomicroscopy

*Computerized digital imaging colposcopy

4. NOVAL APPROACHES

*fluorescence speculoscopy

* AgNor: new molecular marker that stands for silver stained nucleolar region.

Alternate screening methods:

A. carcinogenic HPV testing.

b.cellular markers like mRNA expression of E6/E7 transcript, p-16 markers of disease progression.

Existing screening outcome[26]

Method	sensitivity	specificity
a. pap smear		
CIN I	68.1%	94.6%
CIN II	83.3%	90.3%
b. VIM		
CIN I	60.5%	80%
CIN II	73.3%	77.6%
c. cervicography		
CIN I	52.6%	93.2%
CIN II	72.3%	90.5%

AIM OF STUDY:

- To identify the incidence of cervical lesions in sexually active asymptomatic women using VIM.
- To compare the efficacy of VIM with colposcopy.
- To evaluate the feasibility of VIM as a mass screening for cervical lesions in low resource settings.

TYPE OF STUDY:

A prospective observational study on asymptomatic women of reproductive age group.

DURATION OF STUDY:

August 2008 to September 2009

MATERIAL AND METHODS:

This is a hospital based prospective study conducted at Institute of social obstetrics and Government Kasturba Gandhi Hospital for Women and children, Triplicane, Chennai-5 from August 2008 to September 2009.

This study comprises study subject of 734 women who were attending general and gynecology OPD. All 734 patients were subjected to visual inspection and magnification (VIA/VILI) and bimanual pelvic examination. All these patients were subjected to colposcopy and biopsy was done in all patients.

INCLUSION CRITERIA

- Sexually active women between 20-40 yrs
- Non-pregnant women
- Both nulliparous and multiparous
- Women attending general and gynecology OPD for screening on their own
- Women being screened at programme like Varumun Kaapom Thittam

EXCLUSION CRITERIA

- Women with symptoms like vaginal discharge, pain etc
- Pregnant women
- Severe ill health
- Postpartum until 12 wks
- Overt growth in cervix
- Previous treatment for cancerous lesions
- Allergy to acetic acid and iodine
- Those who had undergone hysterectomy
- Women on hormonal therapy
- Women below 20yrs and above 40yrs of age
- Women those who are not sexually active
- Women with h/o surgery on cervix

IARC CRITERIA FOR INTERPRETATION OF VIA/VILI:

VIA POSITIVE:

Well defined, sharp, distinct, dense acetowhite areas with or without raised margins abutting the squamo columnar junction in transformation zone.

Strikingly dense acetowhite areas in columnar epithelium.

Condyloma and leukoplakia occurring closer to the squamocolumnar junction turning intensely white after application of acetic acid.

VIA NEGATIVE:

- No acetowhite lesion on cervix.
- Polyp protruding through the cervix with bluish white acetowhite areas.
- Nabothian cysts.
- Faint line or ill-defined acetowhitening at squamo columnar junction
- Shiny, pinkish white, cloudy white, bluish white faint patchy or indefinite margins, blending with rest of the cervix.
- Angular, irregular dilating, acetowhite lesion resembling geographical area far away from the transformation zone (satellite lesion).
- Ill defined patch, pale acetowhite in inflamed unhealthy, ulcerated cervix with bleeding and mucopurulent discharge.
- Red spots on cervix against pinkish white background after applying acetic acid.
- Streak like acetowhitening in the columnar epithelium.
- Dot like areas in endocervix, which are due to grape like columnar epithelium stained with acetic acid

VILI POSITIVE:

Dense, thick, bright mustard yellow or saffron yellow iodine non uptake areas abutting the squamocolumnar junction in transformation zone.

VILI NEGATIVE:

- Normal cervix when squamous epithelium turns mahogany brown or black and columnar epithelium does not change colour, no yellow areas seen.
- In ectropion, when an extension area of columnar epithelium with regular margins on ectocervix remaining without colour change.
- Patchy, indistinct, illdefined, colourless or partially brown areas are seen in the cervix.
- Non or partial iodine uptake, pale areas comparable to preexisting nabothian follicle or polyps are seen.
- Stripping or leopard skin appearance associated with T.vaginalis infection.
- When pepper like non iodine uptake areas seen in the squamous epithelium far away from squamocolumnar junction.
- When satellite, thin, yellow, non iodine uptake areas with angular or digitating margins resembling geographical areas are seen far away from squamocolumnar junction.

Reporting visual inspection findings:[27]

Normal:

Smooth pink

Clear mucoid secretion

External os: central hole round in nulliparous and slit like in multiparous

Atrophic in postmenopausal women

Abnormal findings:

Infection -redness and congestion in general .

a. Chlamydia - mucopurulent activity

b. Gonorrhea - prominent vascularity,

ectopy, hypertrophy.

C.Trichomoniasis - strawberry cervix.

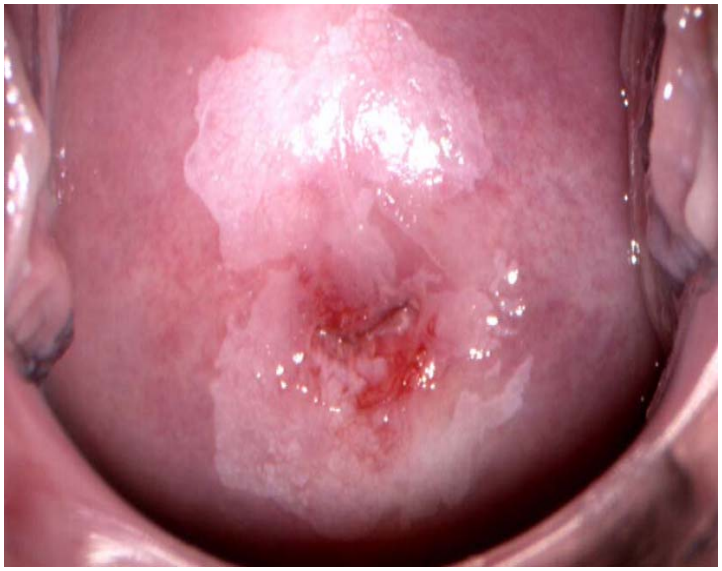
LSIL:

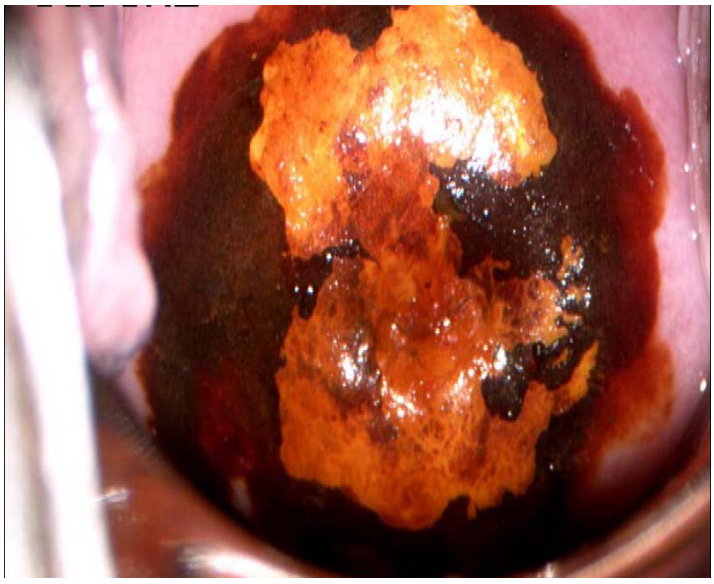
Flat smooth surface, indistinct borders like feathered or geographic pattern, faint aceto white change.

HSIL:

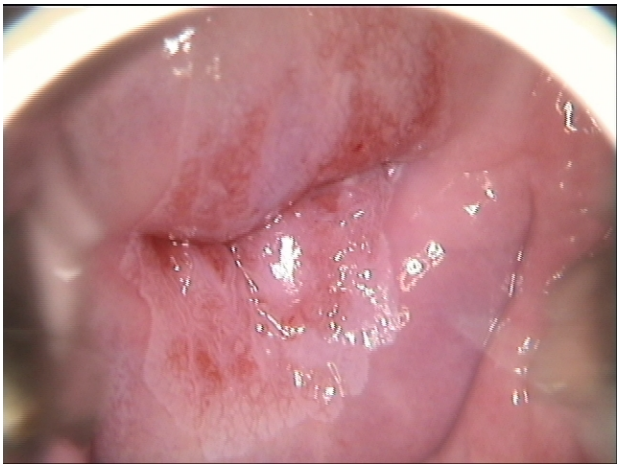
Sharply demarcated areas, straight contour, distinct aceto white reaction, most prompt, persistent, prominent aceto whitening, coarse vascular pattern, coarse punctuations and mosaicism, non staining with lugol's iodine

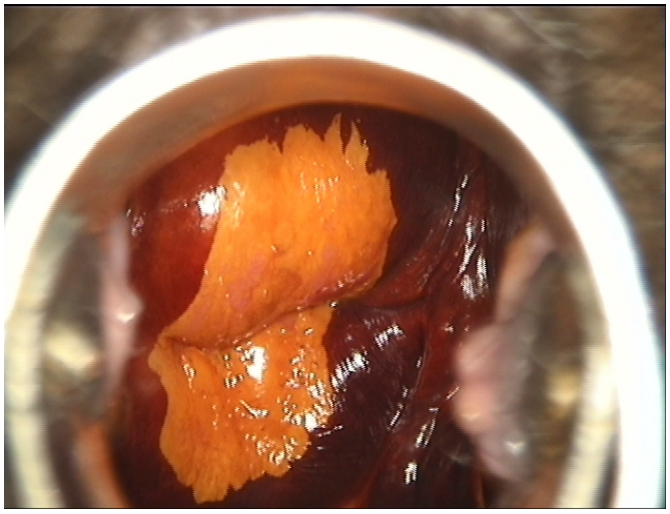
LSIL



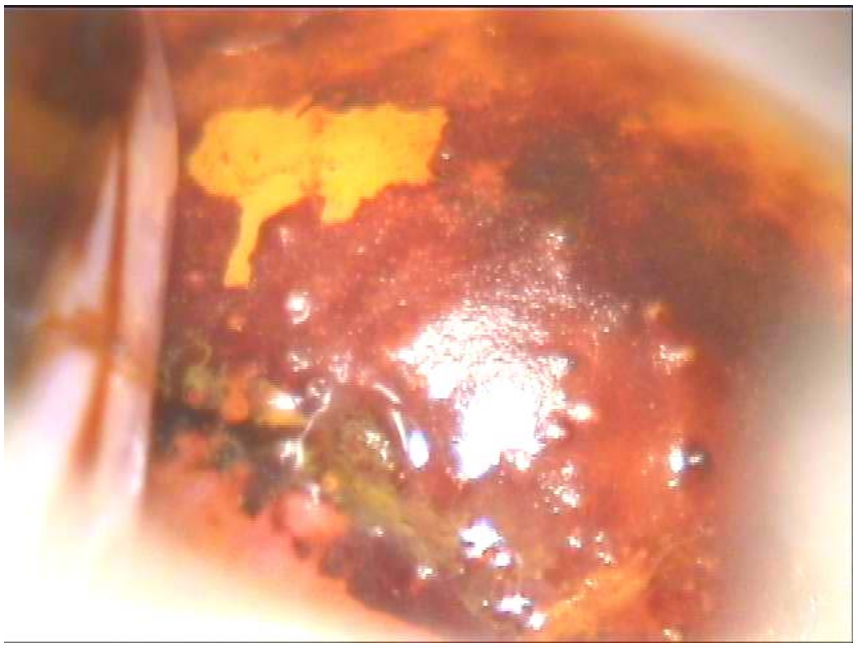


HSIL



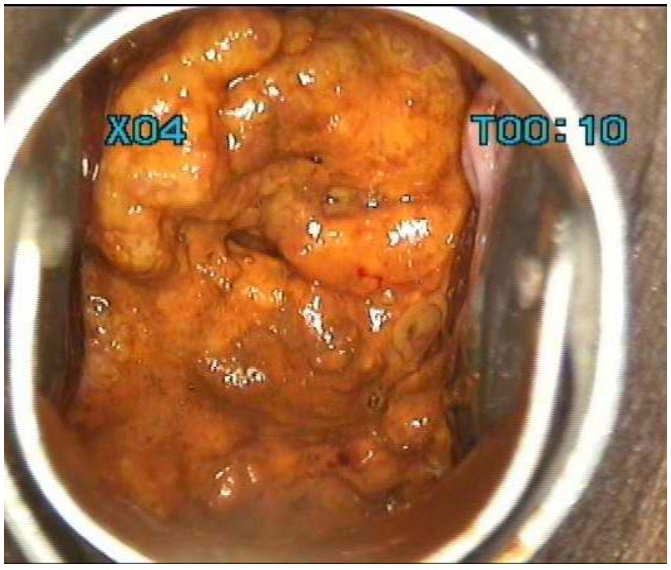


SATELLITE LESION



INFLAMMATION

INVASIVE CANCER



Malignant change:

Squamous carcinoma- irregular surface, sharply defined borders, coarse punctuations and mosaicism, atypical vessels with hallmark of neovascularisation.

Adenocarcinoma- stark acetowhiteness of fused, irregular heaps of glandular villi seen in transformation zone.

CRITERIA FOR SCREENING

- Should be accurate and reproducible
- Test should be acceptable to people and reasonably inexpensive
- Adequate follow up of positives should be ensured
- Involves minimal or no expenditure to individuals and health services
- Undesired harm due to screening should be avoided

MATERIALS NEEDED

- Examination table with leg rest
- Good light source and ring lens magnifying system
- Digital video colposcope with magnification 25X
- Sterile bivalve speculum
- Pair of gloves
- Cotton swabs, cotton tipped buds, gauze
- Ring forceps,vulsellam, cervical punch biopsy forceps

- Normal saline,3%acetic acid,lugol’s iodine solution,10%formalin, Monsel’s solution
- A steel/plastic container with 0.5%chlorine in which used gloves are immersed
- A plastic bucket with polythene bag to dispose contaminated swabs and waste items

METHODOLOGY OF STUDY

- Patient in lithotomy position
- Introduce bivalve self retaining speculum
- Characteristic of discharge noted if present
- Inspection of unstained cervix
- Inspection after application of acetic acid
- Inspection after application of Lugol’s iodine
- Inspection of fornices and vaginal wall
- Findings recorded and patient was advised to come after 2 to 3 weeks
- Patients undergone VIA/VILI were subjected to colposcopy
- Cervix, vagina and vulva inspected for lesions
- Colposcopic directed biopsy with punch biopsy done in all patients
- Specimen sent for histopathological examination and results obtained.

RESULTS AND ANALYSIS

Table 1:

Frequency of age group in this study

(n=734)

Age group in years	Legend	Frequency	percentage
20	1	12	1.6
21 to 25	2	258	35.1
26 to 30	3	251	34.2
31 to 35	4	165	22.5
36 to 40	5	48	6.5
Total		734	100

In this study, age group taken was between 21-35 years which constitute about 91.8% of patients studied.

CHART : 1

AGE GROUP

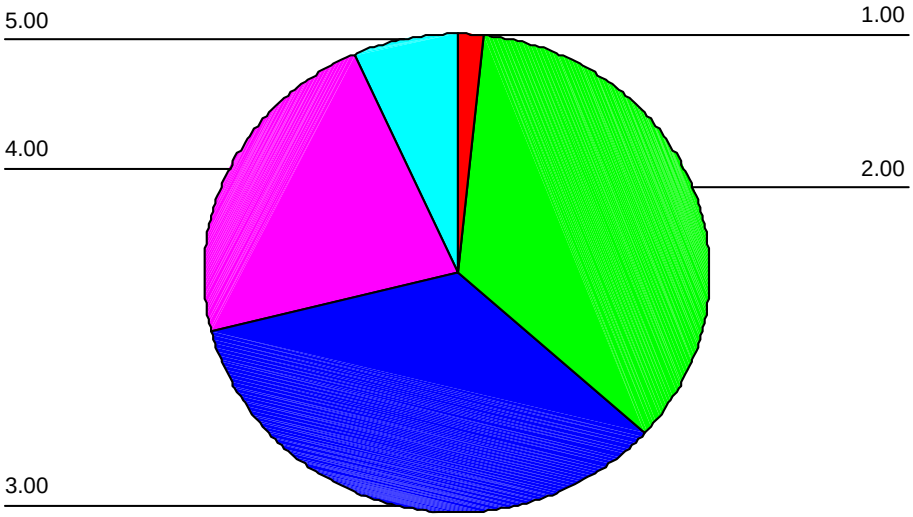


Table 2:

AGE AT MARRIAGE

(n=734)

Legend	Age at marriage	Frequency	Percentage
1	15 to 20	228	31.1
2	21 to 25	492	67
3	26 to 30	14	1.9
	Total	734	100

In this study age at marriage was less than 20 in 31.1%.

CHART : 2

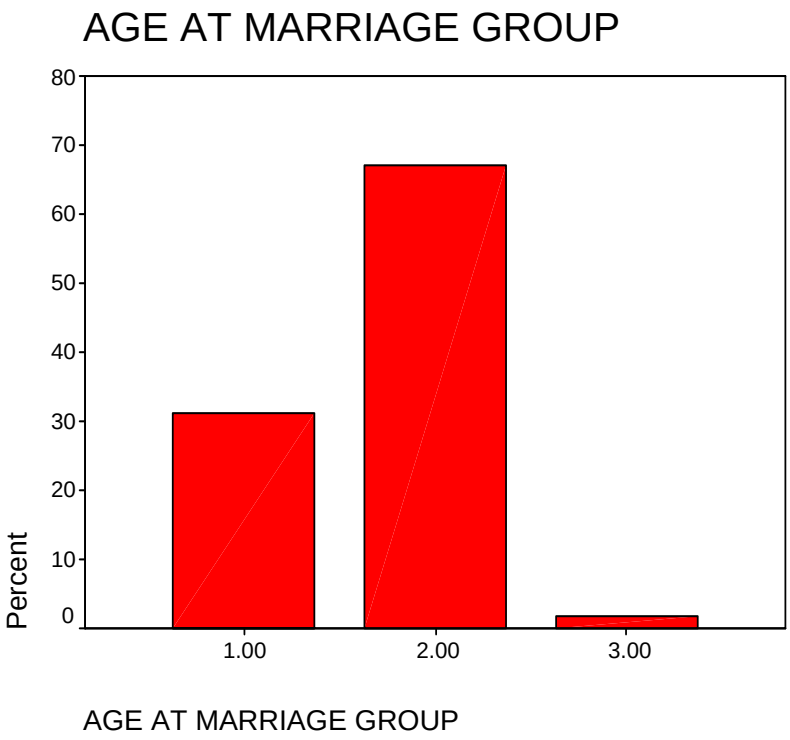

AGE AT MARRIAGE GROUP
80
70
60
50
40
30
20
10
0
Percent
1.00
2.00
3.00
AGE AT MARRIAGE GROUP

Table 3:

Parity distribution

(n=734)

Legend	Parity	frequency	Percentage
0	Nulliparous	34	4.6%
1	Para 1	203	27.7%
2	Para 2	429	58.4%
3	Para 3	63	8.6%
4	Para 4 and Above	5	0.7%
	Total	734	100%

This study comprises women of 67% belonging to second parity

CHART : 3

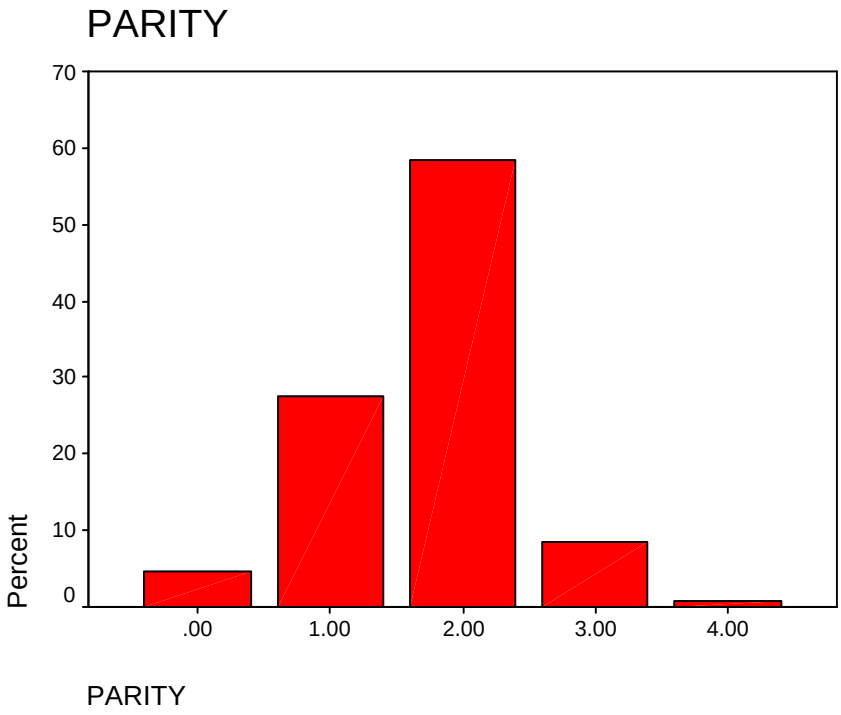


Table 4:

Contraception practiced in this study group:

(n=734)

Legend	Contraception	frequency	Percentage
0	No contraception	166	22.6
1	PS	410	55.9
2	Barrier	74	10.1
3	OCP	45	6.1
4	IUCD	39	5.3
	Total	734	100

Our study showed that most of our Para 2 women undergo permanent method of sterilization. Hence with the loss of fear of pregnancy their sexual activity also increases putting them at higher risk for cervical lesions

CHART : 4

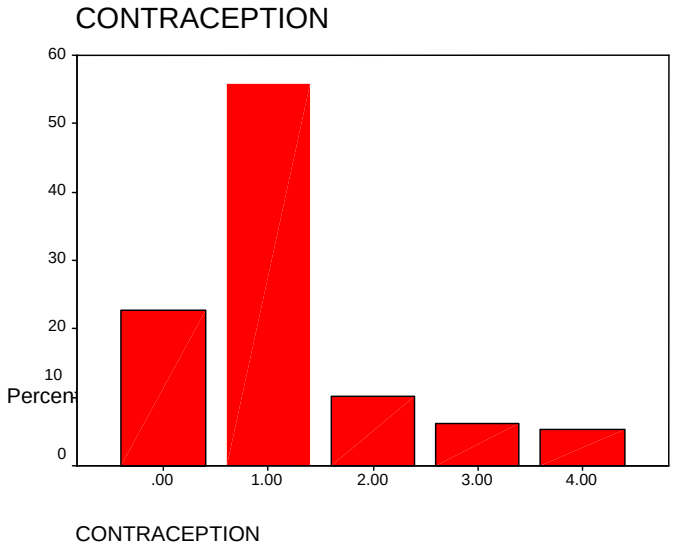

CONTRACEPTION
60
50
40
30
20
10
Percen
0
.00
1.00
2.00
3.00
4.00
CONTRACEPTION

Table 5:

Comparison of Biopsy results and age group

(n=734)

Legend	Age	Biopsy normal	Biopsy positive
1	18-20	12(1.6%)	0
2	21-25	250(34.1%)	8(1.1%)
3	26-30	204(27.8%)	47(6.4%)
4	31-35	126(17.2%)	39(53%)
5	36-40	44(6%)	4(0.5%)
	total	636(86.6%)	98(13.4%)

Symmetrical measure:

The appropriate significance is established (0.000).

This study showed that age distribution in positive lesion was between 26-35 years (47% in 26- 30 years, 53% in 31-35 years).

CHART : 5

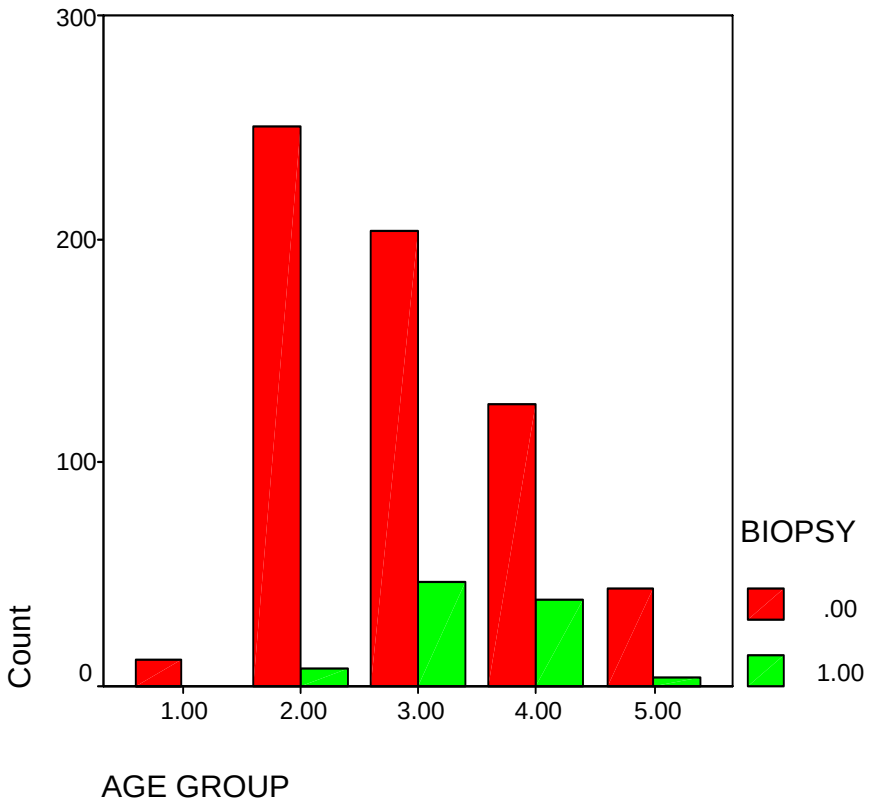


Table 6:

Comparison of Age at marriage with lesion:

(n=734)

Legend	Age at marriage	Biopsy normal	Biopsy positive
1	15-20	144(19.6%)	84(11.4%)
2	21-25	478(65.1%)	14(1.9%)
3	26-30	14(1.9%)	0
	Total	636(86.6%)	98(13.4%)

Symmetrical measure:

The appropriate significance is established(0.000).

In this study, there is higher incidence of positive biopsy when these women marry at early age and expose themselves to longer period of sexual activity.

CHART : 6

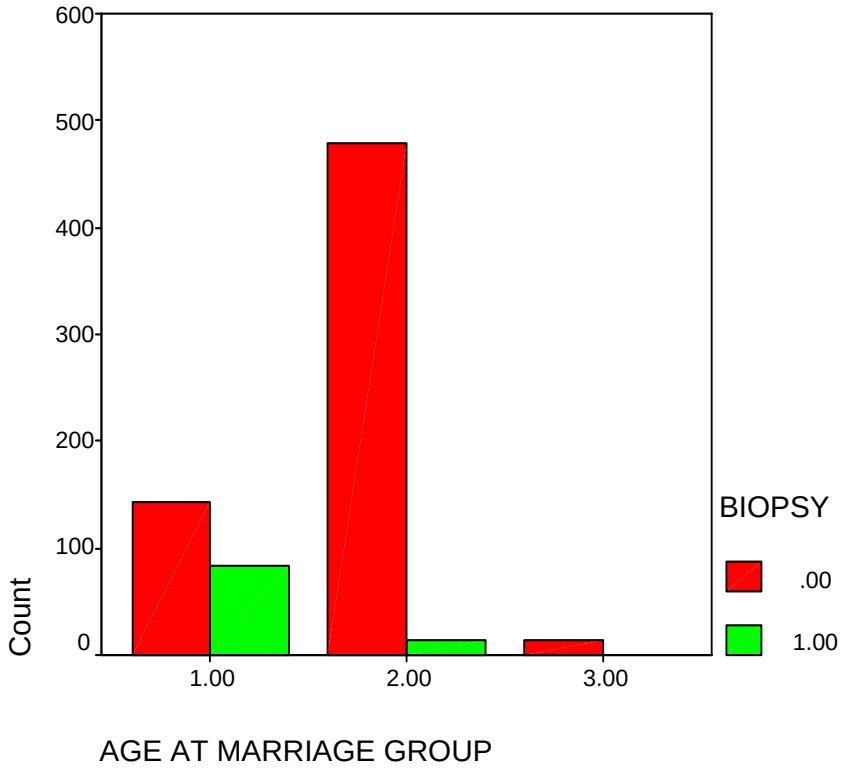

600
500
400
300
200
100
0
Count
1.00
2.00
3.00
AGE AT MARRIAGE GROUP
BIOPSY
.00
1.00

Table 7:

Comparison of Parity with biopsy results:

(n=734)

Parity	Normal biopsy	Positive biopsy
Nulli	34(4.6%)	0
Para 1	201(27.4%)	2(0.3%)
Para 2	372(50.7%)	57(7.8%)
Para 3	29(4%)	34(4.6%)
Para 4 and above	0	5(0.7%)
Total	636(86.6%)	98(13.4%)

Symmetrical measure:

The appropriate significance is established(0.000).

In this study among positive lesions ie, 13.4%, 13.1% belong to Para 2 and above and no nulliparous women was positive.

CHART : 7

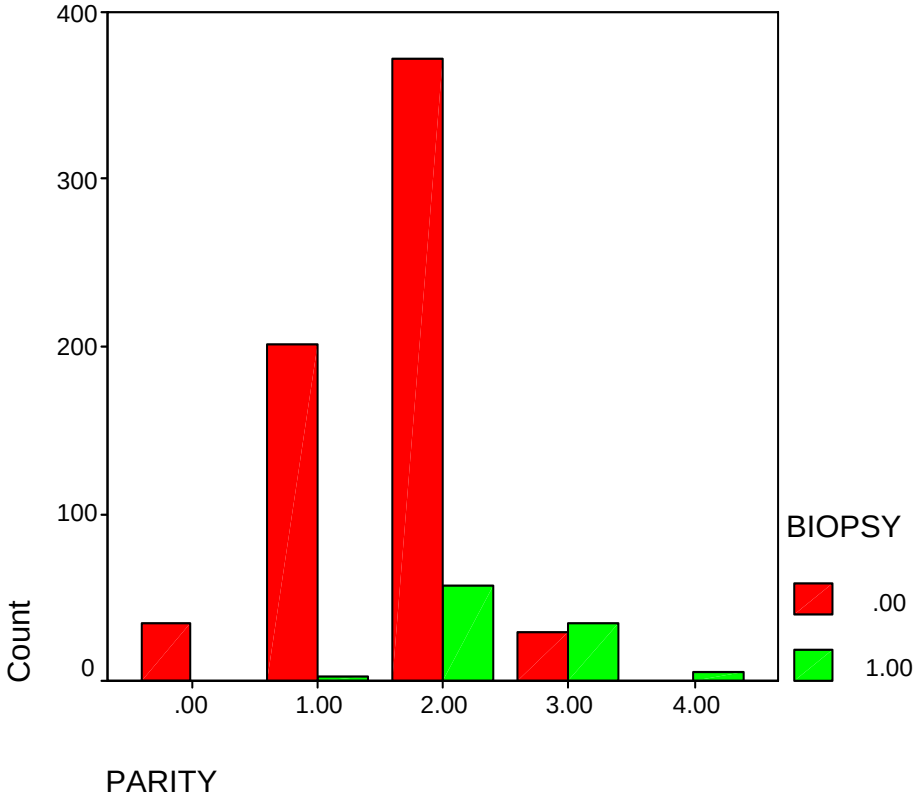


Table 8:

Education compared with positive lesions in colposcopy guided biopsy:

(n=734)

Legend	Education	Biopsy normal	Biopsy positive
0	Nil	23(3.6%)	15(15.3%)
1	1-5 standard	155(24.4%)	52(53.1%)
2	6-12 standard	355(55.8%)	31(31.6%)
3	Degree	103(16.2%)	0

Symmetrical measure:

The appropriate significance is established(0.000).

In this study positive lesions are significantly associated with low level of literacy. Those who undergone graduation has nil lesions indicating literacy have positive influence in reducing cervical lesions.

CHART : 8

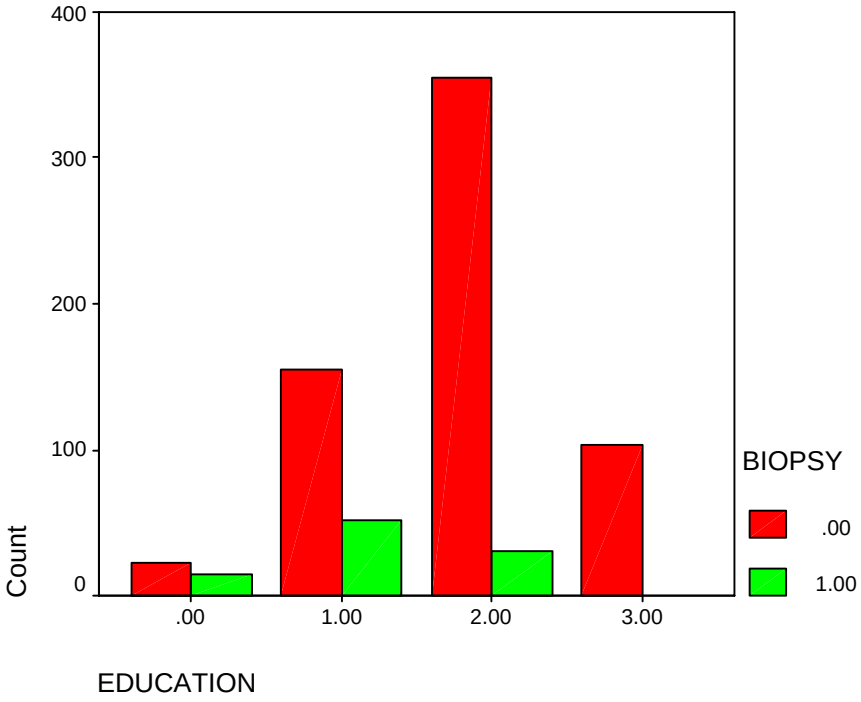


Table 9:

Comparing Socioeconomic status with lesion:

(n=734)

Legend	Income /month	Biopsy normal	Biopsy positive
1	< Rs.2000	10(1.4%)	56(7.6%)
2	Rs.2000-5000	323(44%)	36(4.9%)
3	>Rs.5000	303(41.3%)	6(0.8%)
TOTAL		636(86.6%)	98(13.4%)

Symmetrical measure:

The appropriate significance is established(0.000).

In this study out of 13.4% positive lesions 7.6% belong to very low income group of < Rs.2000/month and 4.9% belong to income of Rs. 2000- 5000. Only 0.8% of income more than Rs.5000 /month showed positivity.

Table 10:

Influence of Contraception method adopted on cervical lesion :

(n=734)

Contraception	Total(%)	Normal biopsy	Positive biopsy
No contraception	166 (22.6)	143(19.5%)	23(3.1%)
PS	410(55.9)	344(46.9%)	66(9%)
Barrier	74(10.1)	74(10.1%)	0
Ocp	45(6.1)	42(5.7%)	3(0.4%)
Iucd	39(5.3)	33(4.5%)	6(0.8%)
Total	734(100)	636(86.6%)	98(13.4%)

Symmetrical measure:

The appropriate significance is not established(0.124).

In our study positive lesions are more in women practicing permanent sterilization as they were out of fear of pregnancy and prone to have increased sexual activity making them a high risk group. women practicing barrier methods(condoms) are at nil risk in this study.

CHART : 10

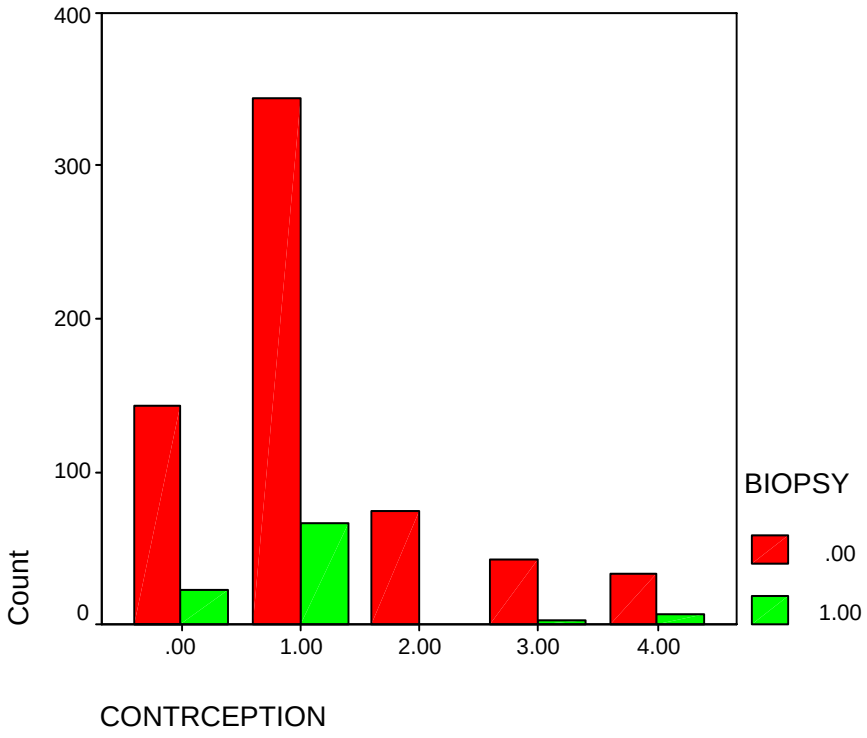

400
300
200
100
0
Count
.00
1.00
2.00
3.00
4.00
CONTRCEPTION
BIOPSY
.00
1.00

Table 11:

Result of VIA/VILI in this study:

(n=734)

L		FREQUENCY	PERCENTAGE
0	NO LESION	644	87.7
1	POSITIVE	90	12.3
	TOTAL	734	100

Table 12:

COLPOSCOPY result in this study:

(n=734)

Legend	COLPOSCOPY	FREQUENCY	PERCENTAGE
0	NO LESION	637	86.8
1	POSITIVE	97	13.2
	TOTAL	734	100

CHART : 11

VIA / VILI

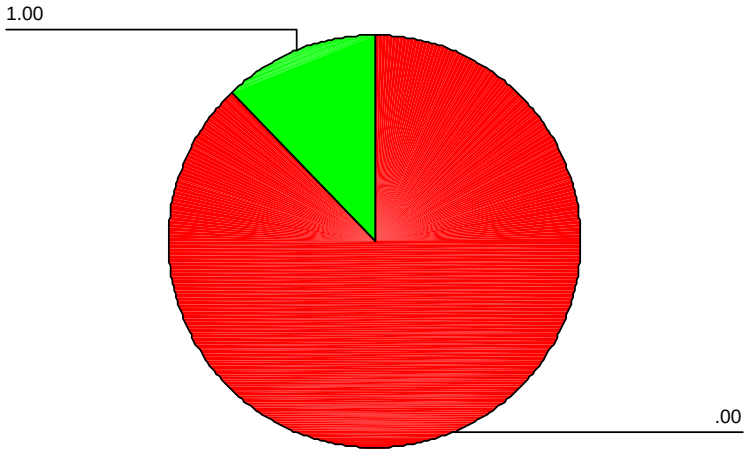


CHART : 12

COLPOSCOPY

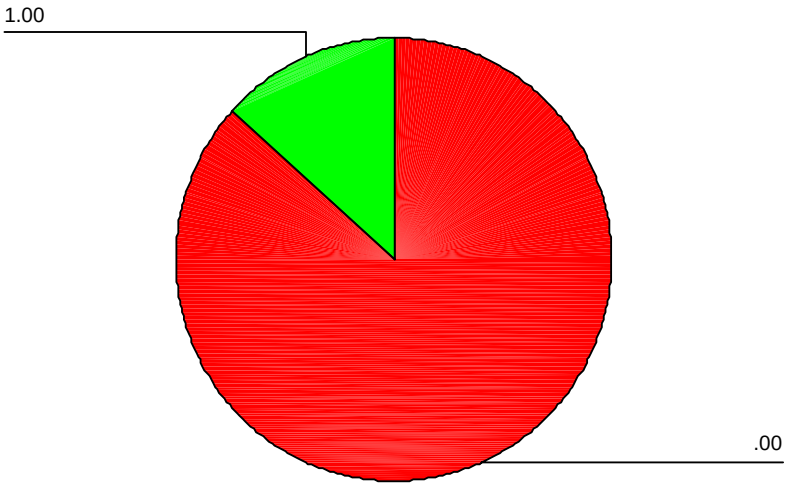


Table 13:

Comparision of VIA/VILI result with BIOPSY report:

(n=734)

VIA/VILI	Biopsy normal	Biopsy positive
Normal	636(86.6%)	8(1.1%)
Positive	0	90(12.3%)
Total	636(86.6%)	98(13.4%)

Symmetrical measure:

The exact significance is established(0.000).

Table 14:

Comparison of Colposcopy with biopsy:

(n=734)

colposcopy	Biopsy normal	Biopsy positive
Normal	636(86.6%)	1(0.1%)
Positive	0	97(13.2%)
Total	636(86.6%)	98(13.4%)

Symmetrical measure:

The exact significance is established(0.000).

CHART : 13

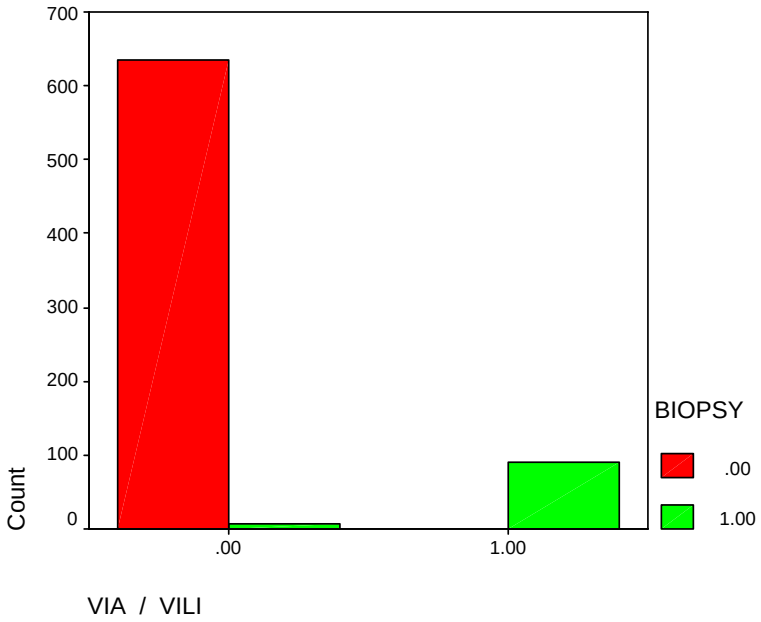


CHART : 14

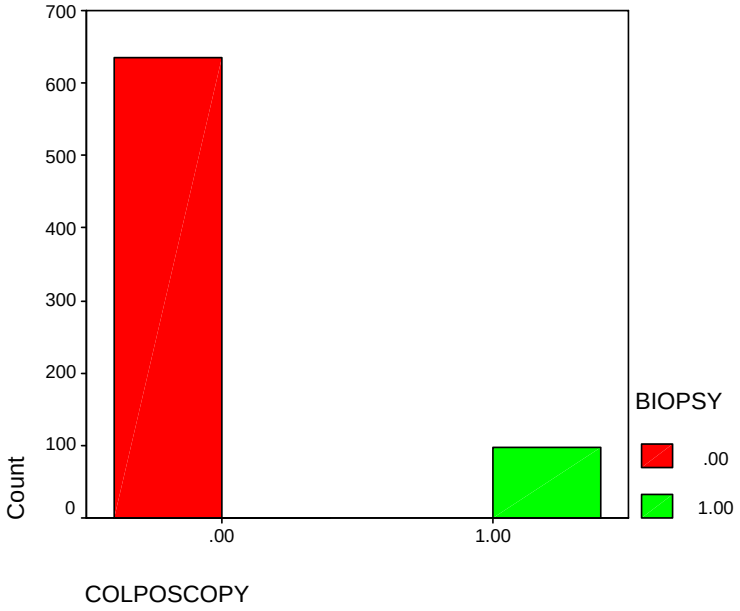


Table 15:

Comparison of VIA/VILI WITH COLPOSCOPY:

(n=734)

VIA/VILI	Colpo normal	Colpo positive
Normal	636	8
Positive	1	89
Total	637	97

Symmetrical measure:

The exact significance is established(0.000).

Both in VIA/VILI and Colposcopy, it was noted that all the positive women were found to be positive when biopsy confirmation was sought. However, there were minor differences with both the methods missing on negative women. Hence though the methods were near complete in their positive predictive value, they were lacking when negative predictive value was considered.

CHART : 15

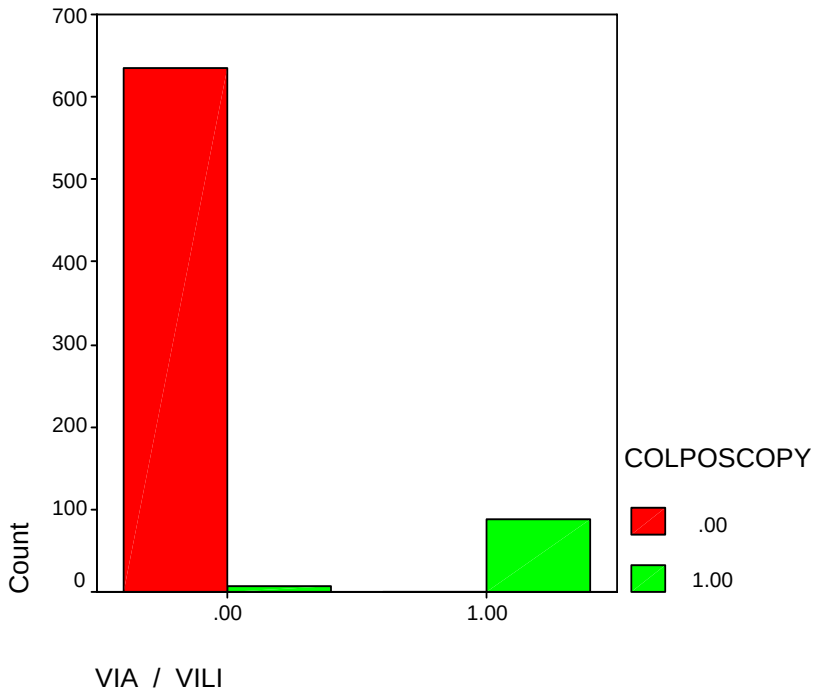

700
600
500
400
300
200
100
0
Count
.00
1.00
VIA / VILI
COLPOSCOPY
.00
1.00

Table 16:

COMPARISION OF BIOPSY TYPES:

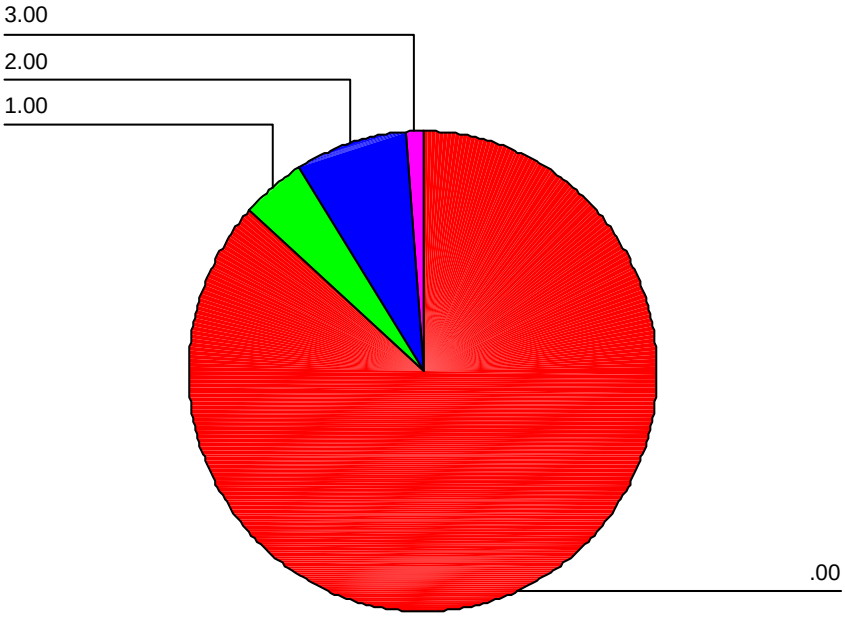
(n=734)

Biopsy positive	Frequency	Percentage
Normal	636	86.6%
Chronic non specific Cervicitis	32	4.4%
LSIL	57	7.8%
HSIL	9	1.2%
Total	734	100%

Most of the positive biopsies were LSIL lesions and the women were treated accordingly. 1.2% of HSIL women were counseled for further definitive management.

CHART : 16

BIOPSY TYPE



STUDY RESULTS

	VIA/VILI WITH BIOPSY	COLPO WITH BIOPSY	VIA/VILI WITH COLPO
SENSITIVITY	91.84%	98.98%	91.75%
SPECIFICITY	100%	100%	99.84%
PPV	100%	100%	98.89%
NPV	98.76%	99.84%	98.76%
DIAGNOSTICACCURACY	98.91%	99.86%	98.77%

DISCUSSION

This prospective observational study analyses the efficacy of visual inspection methods (VIA/VILI) with colposcopy and cervical biopsy and to choose VIA and VILI as an easily interpretable low cost but effective method for detecting cervical lesions.

In our study, age group taken was between 21-35 years which constitute about 91.8% of patients studied. Similarly, study conducted in AIIMS, New Delhi in 2003 to evaluate and compare test performance of visual inspection of cervix by a doctor and paramedical worker, included study group of patients with 64% belonging to 30-39 years[28].

In a study conducted in Mumbai, regarding concurrent evaluation of visual, cytological HPV testing as screening methods for detection of cervical neoplasia had study group of age between 30-39 in majority and showed that younger women had higher rate of positive result in visual tests.

In our study, age at marriage was less than 20 in 31.1% which is similar to study conducted in obs & gyn department in institute of medical sciences in 2007 with 500 patients. Among them 30.4% of the study group had their marriage at age less than 20 years.

Similarly, study conducted in AIIMS, New Delhi in March 2003 for detecting cervical lesions on women with mean age at first sexual intercourse was 19+/- 3.3 years.

In our study most of women were Para 1 and Para 2 which is consistent with practice of our women for small family norm.

Our study showed that most of our Para 2 women undergo permanent method of sterilization. Hence with the loss of fear of pregnancy their sexual activity also increases, putting them at higher risk for cervical lesions

In this study, positive lesions are significantly associated with low level of literacy. Those who undergone graduations have nil lesions indicating that literacy have positive influence in reducing cervical lesions.

Similarly, study on Health literacy, cervical cancer risk factor and distress in low income Africo- American women seeking colposcopy concluded that low level of health literacy is associated with increased level of distress among women at high risk for developing cervical cancer[29].

In this study ,out of 13.4% positive lesions 7.6% belong to very low income group of < Rs.2000/month and 4.9% belong to income of Rs. 2000-5000. Only 0.8% of the study group with income more than Rs.5000 /month showed positivity.

Similarly, study conducted in Institute of medical sciences, Lahore in 2007 showed that all women with CIN belonged to low socio economic status and

about 24-80% belonged to very low socio economic status of income between Rs. 3000- 5000/month.

This study showed that age distribution in positive lesion was between 26-35 years (47% in 26- 30 years, 53% in 31-35 years). A study conducted at Institute of medical sciences, Lahore in 2007 showed that majority of women with CIN (60%) were between 35-45 years which also showed that there is higher incidence of positive biopsy when this women marry at early age and expose themselves to longer period of sexual activity.

In this study, among positive lesions ie, 13.4%, 13.1% belong to Para 2 and above and no nulliparous women was positive.

In a study conducted by IARC,a multicentric case control study on role of parity and HPV in cervical cancer, found that there was direct association between number of full term pregnancy and squamous cell carcinoma risk[30]. The odds ratio for seven full term pregnancy or more was 3.8(95% CI 2.7-5.5) compared with nulliparous women and 2.3(CI1.6-3.2) compared with women who had one or two full term pregnancy.

In our study, positive lesions are more in women practicing permanent sterilization as they were out of fear of pregnancy and prone to have increased sexual activity making them a high risk group. Couple practicing barrier methods (condom) are at nil risk in this study.

In a paper published on cancer of cervix and its prevention : still a public health concern which highlighted the risk factors showed that recent research is showing that long term user of OCP are at high risk of cervical cancer and regular user of barrier methods of contraception have low risk for cervical lesions.

In our study, both in VIA/VILI and Colposcopy, it was noted that all the positive women were found to be positive when biopsy confirmation was sought. However, there were minor differences with both the methods missing on negative women. Hence though the methods were near complete in their positive predictive value, they were lacking when negative predictive value was considered.

In this study, most of the positive biopsies were LSIL lesions and the women were treated accordingly. 1.2% of HSIL women were counselled for further definitive management.

Results of our study was comparable with study conducted in Institute of medical sciences ,Lahore showed LSIL in 4.1% and HSIL in 1.8% and no invasive lesion.

Variables in the Equation

		B	S.E.	Wald	df	Sig.	Exp(B)
Step 1[a]	VAR00004			33.029	4	.000	
	VAR00004(1)	-5.175	10205.923	.000	1	1.000	.006
	VAR00004(2)	9.738	2.105	21.403	1	.000	16949.295
	VAR00004(3)	8.211	1.498	30.062	1	.000	3682.657
	VAR00004(4)	5.640	1.056	28.500	1	.000	281.417
	VAR00007			8.011	2	.018	
	VAR00007(1)	16.204	9804.510	.000	1	.999	1.1E+07
	VAR00007(2)	14.848	9804.510	.000	1	.999	2807355
	VAR00008			3.985	4	.408	
	VAR00008(1)	-36.924	17174.738	.000	1	.998	.000
	VAR00008(2)	-20.997	16022.507	.000	1	.999	.000
	VAR00008(3)	-20.198	16022.507	.000	1	.999	.000
	VAR00008(4)	-19.404	16022.507	.000	1	.999	.000
	VAR00016	.774	.132	34.255	1	.000	2.168
	Constant	-11.711	18784.217	.000	1	1.000	.000

a. Variable(s) entered on step 1: VAR00004, VAR00007, VAR00008, VAR00016.

BINARY LOGISTIC REGRESSION MODEL WAS USED TO IDENTIFY THE ASSOCIATION OF RISK FACTORS WITH RESPECT TO BIOPSY ABNORMALITY.

THE VARIABLES AGE(4),AGE AT MARRIAGE(GROUP)(7), DURATION OF SEXUAL EXPOSURE (16) ARE SIGNIFICANTLY ASSOCIATED WITH BIOPSY ABNORMALITY.

SUMMARY

Of 734 cases, 90 cases were found to be VIA/VILI positive and 644 cases were VIA/VILI negative.

Of 734 cases studied, colposcopy was positive in 97 (13.2%). Among 97 cases who were colposcopy positive, VIA/ VILI was positive in 90 cases.

Colposcopy guided Biopsy was done in all 734 cases. Of that, biopsy was positive in 98 cases. Among 98 cases who were biopsy positive, 97 cases were positive for colposcopy.

The sensitivity of VIA/VILI in detecting preinvasive lesions was 91.84% and specificity was 100% when compared with colposcopy which has sensitivity 98.98% and specificity 100%.

The positive predictive value of VIA/VILI was 100% and its negative predictive value was 98.76%. Similarly the positive and negative predictive value in detecting cervical lesions with colposcopy in asymptomatic women was found to be 100% and 99.84% respectively.

The diagnostic accuracy of VIA is 98.91% and for colposcopy ,it is 99.86% .

CONCLUSION

- There is an enormous increase in the incidence of cancer cervix and in India, it is increasing in geometric proportion.
- This can be controlled only with the introduction of mass screening programme in a coordinated way.
- Till recently, all our screening programmes were Pap smear based and with the inherent difficulties in performing and interpreting Pap smear results in our set up, it was not surprising that these programmes could not give the expected results.
- Hence, the emphasis was shifted to visual inspection methods with acetic acid and Lugol's iodine.
- This method could sustain due to its simplicity and ease of performing in mass programmes.
- The other advantage with this method is that the results are available immediately thereby precluding with the need for the women to visit the health centers on more than one occasion.
- This is a very important consideration in rural areas.
- Moreover the specificity and sensitivity of these visual inspection based tests were also equally good 91.84% and 98.98 % respectively.

- Hence for resource restricted settings, VIA /VILI is a real boon for mass screening.
- This study further emphasizes the need for programmed screening of all women who are sexually active whatever may be their literacy and socioeconomic status.

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ANNEXURE – I PROFORMA

COMPARING THE EFFICACY OF VISUAL INSPECTION WITH ACETIC ACID AND LUGOL'S IODINE AS A SCREENING TOOL FOR DETECTING CERVICAL LESIONS IN ASYMPTOMATIC WOMEN OF REPRODUCTIVE AGE GROUP WITH COLPOSCOPY AS GOLD STANDARD.

INSTITUTE OF SOCIAL OBSTETRICS
CHENNAI 5.

1.Serial Number …… [ ] [ ] [ ]

2.Date of recruitment …… [ ][ ]-[ ][ ]-[ ][ ][ ][ ]

3.Name……

4.Address……
……

5.Age…… [ ][ ] S.E.S:[ ]
.

6.Education…… [ ]
(1-Nil; 2-Primary; 3-Middle; 4-High school; 5-College; 9-Not known)

7.Age at menarche(99-Not known)…… [ ][ ]

8.When did you have your last menstruation?.....[ ].
(1-less than 12 months ago ; 2-more than 12 months ago)

9.Marital status…… [ ]
(1-Married;2-Widow;3-Separated;8-Other;9-Not known)

10.Age at marriage or first sexual intercourse(99-Not known)…… [ ][ ]

11.Total number of pregnancies……. [ ][ ]

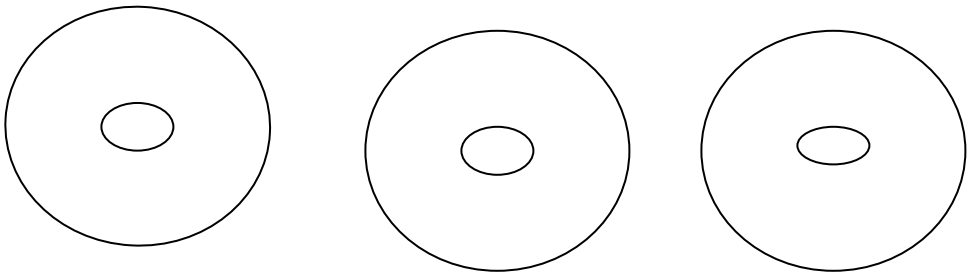
12. Total number of Abortions…… [ ][ ]
.

13.Findings of VIA……[ ]
(1-Negative;2-Positive;3-Positive,Invasive)

14. .Findings of VILI……[ ]
(1-Negative; 2-Positive;3-Positive,Invasive)

15.Colposcopy…… [ ]
(1-Not done;2-Satisfactory,entireSCJ seen;3-Unsatisfactory,SCJpartially seen; 4-Unsatisfactory,SCJ not seen;5-Invasive cancer)

16.Colposcopic diagnosis(Date_____)……[ ]
(1-Not done;2-Normal;3-Squamous metaplasia;4-Leukoplakia;
5-Condyloma/wart 6-Propbable low grade lesion:Atypia/CIN-1;
7- Propbable high grade lesion CIN-2,3;8-invasive cancer;9-other
explain----------)



A B C

17.Colposcopy findings
(A-to mark the findings of initial examination;B&C-for review examinations after treatment;AW-acetowhite area;M-mosaic;P-punctation; AV-atypical vessels;G-growth;I-iodine negative area)

18.Biopsy taken?(1-Yes;2-No)…….....[ ]

19.Histopathology of biopsy……[ ][ ]
(00-not done;01-inflamation/chronic cervicitis;02-squamous metaplasia;
03-HPV infection;04-atypia;05-CIN-I;06-CIN-II;07-CIN-III;08-early invasive carcinoma 09-invasive squamous cell carcinoma;
10-invasive adeno carcinoma;99-other
(Explain _____)

20.IF invasive cancer, stage……( )

MASTER CHART- ANNEXURE II

COLPO NO.	NAME	AGE	AGE GROUP	S.E.S	EDUCA	AGE AT MARRIAGE-GROUP	PARITY	CONTRA	VAI/ VILI	COLPOS	BIOPSY
6	anitha	20	1	2	1	1	0	0	0	0	0
2	asha	20	1	2	2	1	0	0	0	0	0
341	farida	20	1	2	2	1	1	0	0	0	0
351	farida	20	1	2	2	1	0	0	0	0	0
3	fathima	20	1	2	2	1	0	0	0	0	0
353	kondamma	20	1	2	1	1	1	0	0	0	0
5	priya	20	1	3	3	1	0	0	0	0	0
4	seetha	20	1	3	3	1	0	0	0	0	0
352	sriradha	20	1	3	3	1	1	0	0	0	0
1	usha	20	1	3	3	1	0	0	0	0	0
9	fousiya	21	2	2	1	1	1	3	0	0	0
8	harini	21	2	2	1	1	1	2	0	0	0
442	jeeva	21	2	2	2	1	0	0	0	0	0
441	jenifier	21	2	2	1	1	0	0	0	0	0
7	lakshmi	21	2	2	2	1	1	2	0	0	0
10	sampathku	21	2	3	3	1	1	0	0	0	0
443	leela	22	2	2	2	1	2	0	0	0	0
11	logeswari	22	2	2	2	1	1	3	0	0	0
13	sinduja	22	2	3	3	1	0	0	0	0	0
12	thiruseivi	22	2	3	3	1	1	0	0	0	0
18	ammu	23	2	2	2	1	1	2	0	0	0
355	asha	23	2	2	2	1	0	0	0	0	0
126	ayesa	23	2	2	1	2	1	3	0	0	0
132	anitha	23	2	2	1	2	1	3	0	0	0
19	aseena	23	2	2	3	1	0	0	0	0	0
116	afdab	23	1	2	2	2	1	2	0	0	0
465	bakiyam	23	2	2	2	2	2	1	0	0	0
15	barathy	23	2	2	2	1	2	1	0	0	0
404	begam	23	2	2	2	1	1	2	0	0	0
124	bharathi	23	2	2	3	2	1	3	0	0	0
17	darani	23	2	2	2	1	1	4	0	0	0
448	deepavathy	23	2	2	1	2	1	0	0	0	0

117	divya	23	1	2	2	2	1	0	0	0	0
453	esabella	23	2	2	1	2	1	2	0	0	0
135	fathima	23	2	2	2	2	1	0	0	0	0
399	gandghi	23	2	2	2	1	1	0	0	0	0
454	gandghi	23	2	2	3	2	1	0	0	0	0
23	geetha	23	2	2	3	1	2	1	0	0	0
461	geetha	23	2	2	2	2	1	2	0	0	0
16	gomathy	23	2	2	1	1	2	0	0	0	0
143	harini	23	2	2	3	2	1	0	0	0	0
401	hemavathi	23	2	2	2	1	1	4	0	0	0
456	indra	23	2	2	2	1	2	1	0	0	0
130	jammuna	23	2	2	2	2	1	3	0	0	0
118	janma	23	2	2	2	2	1	2	0	0	0
354	kaliselvi	23	2	2	1	1	1	4	0	0	0
464	kamatchi	23	2	2	1	2	1	4	0	0	0
449	kasiammal	23	2	2	1	2	1	0	0	0	0
400	kavita	23	2	2	2	1	1	2	0	0	0
120	kiruba	23	2	2	2	2	1	4	0	0	0
137	kokila	23	2	2	2	2	1	0	0	0	0
129	komala	23	2	2	2	2	1	3	0	0	0
139	laila	23	2	2	1	2	1	2	0	0	0
405	magalam	23	2	2	2	1	1	2	0	0	0
458	mani	23	2	2	2	2	1	3	0	0	0
136	mathi	23	2	2	2	2	1	2	0	0	0
123	meenakshi	23	2	2	2	2	1	2	0	0	0
127	mohana	23	2	1	3	2	0	0	0	0	0
445	nalini	23	2	3	2	2	1	0	0	0	0
144	nandhini	23	2	3	3	2	0	0	0	0	0
467	nandhini	23	2	3	3	2	1	2	0	0	0
406	nila	23	2	3	3	1	1	3	0	0	0
356	nisha	23	2	3	3	1	2	1	0	0	0
121	padma	23	2	3	3	2	1	2	0	0	0
451	parvathy	23	2	3	3	1	1	2	0	0	0
450	preethi	23	2	3	3	2	1	2	0	0	0
446	priya	23	2	3	3	2	1	0	0	0	0
125	pushpa	23	2	3	3	2	1	4	0	0	0

131	pushpa	23	2	3	3	2	1	2	0	0	0
466	radha	23	2	3	3	2	1	2	0	0	0
140	radika	23	2	3	3	2	1	2	0	0	0
128	ragavi	23	2	3	3	2	1	3	0	0	0
138	ragavi	23	2	3	3	2	1	3	0	0	0
141	rahini	23	2	3	3	2	1	2	0	0	0
460	rajamani	23	2	3	3	2	1	0	0	0	0
373	reka	23	2	3	3	1	1	0	0	0	0
403	roopa	23	2	3	3	1	1	3	0	0	0
578	sarala	23	2	3	3	2	1	3	0	0	0
457	saryna	23	2	3	3	2	1	2	0	0	0
463	sellammal	23	2	3	3	2	1	3	0	0	0
134	selvi	23	2	3	3	2	1	0	0	0	0
402	suganthi	23	2	3	3	2	0	0	0	0	0
14	tamilselvi	23	2	3	3	1	2	1	0	0	0
619	thaillamma	23	2	3	3	2	1	4	0	0	0
122	thangam	23	2	3	3	2	1	2	0	0	0
459	thangam	23	2	3	3	2	1	2	0	0	0
452	theras	23	2	3	3	1	1	2	0	0	0
444	usgha	23	2	3	3	2	1	0	0	0	0
342	varalakshm	23	2	3	3	1	2	0	0	0	0
119	vasuki	23	2	3	3	2	1	4	0	0	0
133	vasuki	23	2	3	3	2	1	4	0	0	0
142	vennila	23	2	3	3	2	1	3	0	0	0
21	vidhya	23	2	3	3	1	0	0	0	0	0
447	vimal	23	2	3	3	2	1	2	0	0	0
20	vimala	23	2	3	3	1	0	0	0	0	0
455	myena	23	2	2	2	1	1	4	1	1	1
22	nirmaladev	23	2	2	2	1	1	3	1	1	1
331	ajima	24	2	2	0	1	2	1	0	0	0
497	allagma	24	2	2	1	2	1	2	0	0	0
42	akila	24	2	2	2	1	1	2	0	0	0
503	amsa	24	2	2	2	2	2	0	0	0	0
478	anandhi	24	2	2	1	2	1	2	0	0	0
45	anjalai	24	2	2	2	1	1	0	0	0	0
43	anjali	24	2	2	3	1	0	0	0	0	0

374	afida	24	2	2	1	1	1	2	0	0	0
160	archana	24	2	2	2	2	1	3	0	0	0
44	aruna	24	2	2	2	1	1	0	0	0	0
585	aruna	24	2	2	0	2	1	2	0	0	0
622	asha	24	2	2	3	2	0	0	0	0	0
30	barathy	24	2	2	2	1	2	1	0	0	0
495	bhavani	24	2	2	2	2	1	0	0	0	0
483	bhuvana	24	2	2	3	2	1	2	0	0	0
147	celin	24	2	2	2	2	1	3	0	0	0
415	chandra	24	2	2	2	1	2	0	0	0	0
471	chitra	24	2	2	2	2	0	0	0	0	0
38	darani	24	2	2	2	1	1	4	0	0	0
468	deepa	24	2	2	2	2	1	3	0	0	0
157	devika	24	2	2	2	2	2	1	0	0	0
166	durga	24	2	2	1	2	1	0	0	0	0
165	enitha	24	2	2	2	2	1	2	0	0	0
40	geetha	24	2	2	2	1	2	1	0	0	0
41	gomathi	24	2	2	2	1	2	1	0	0	0
328	govindamn	24	2	2	1	1	1	0	0	0	0
164	indira	24	2	2	2	2	1	2	0	0	0
502	indrira	24	2	2	1	2	3	1	0	0	0
490	indumathi	24	2	2	2	2	1	4	0	0	0
145	jammuna	24	2	2	2	2	1	3	0	0	0
330	jamuna	24	2	2	1	1	2	1	0	0	0
498	jamuna	24	2	2	3	2	1	0	0	0	0
379	janaki	24	2	2	1	1	2	1	0	0	0
146	janma	24	2	2	2	2	1	2	0	0	0
496	jaya	24	2	2	1	2	1	3	0	0	0
491	kanaga	24	2	2	1	2	1	3	0	0	0
28	kanchana	24	2	2	2	1	0	0	0	0	0
39	kanchana	24	2	2	2	1	1	0	0	0	0
586	kanchana	24	2	2	1	2	1	0	0	0	0
377	kandamma	24	2	2	2	1	2	1	0	0	0
500	kanimozhi	24	2	2	2	2	2	1	0	0	0
479	kanmni	24	2	2	1	2	0	0	0	0	0
357	kannagi	24	2	2	2	1	1	2	0	0	0

363	kannama	24	2	2	2	1	1	0	0	0	0
361	karpagam	24	2	2	2	1	1	4	0	0	0
418	kayalvizhi	24	2	2	2	1	2	1	0	0	0
481	keerthana	24	2	2	1	2	1	3	0	0	0
362	keertika	24	2	2	2	1	2	0	0	0	0
150	kiruba	24	2	2	2	2	1	4	0	0	0
156	kokila	24	2	2	2	2	2	1	0	0	0
27	komala	24	2	2	2	1	0	0	0	0	0
162	komala	24	2	2	2	2	1	3	0	0	0
420	kuppu	24	2	2	2	1	1	2	0	0	0
161	laila	24	2	2	1	2	1	2	0	0	0
29	lakshmi	24	2	2	2	1	1	2	0	0	0
159	lalitha	24	2	2	2	2	1	3	0	0	0
480	latha	24	2	2	2	2	2	4	0	0	0
501	leelavathy	24	2	2	2	2	2	1	0	0	0
148	linda	24	2	2	2	2	1	3	0	0	0
151	lisa	24	2	2	3	2	1	3	0	0	0
152	lisa	24	2	2	3	2	1	3	0	0	0
33	logeswari	24	2	2	2	1	1	3	0	0	0
476	magesh	24	2	2	2	2	2	1	0	0	0
358	mahalaksh	24	2	2	1	1	2	1	0	0	0
167	malini	24	2	2	2	2	0	0	0	0	0
416	malliga	24	2	2	2	1	1	2	0	0	0
411	manjula	24	2	2	2	1	2	1	0	0	0
149	maya	24	2	2	2	2	0	0	0	0	0
378	megali	24	2	1	2	1	2	1	0	0	0
375	muniamma	24	2	1	1	1	2	1	0	0	0
489	muniamma	24	2	1	2	2	1	2	0	0	0
582	muniamma	24	2	3	1	2	1	0	0	0	0
419	murugama	24	2	3	0	2	1	4	0	0	0
475	murugamm	24	2	3	2	2	1	2	0	0	0
153	nadhithiya	24	2	3	1	2	0	0	0	0	0
584	nalini	24	2	3	3	2	2	1	0	0	0
380	nathiya	24	2	3	3	19	1	2	0	0	0
499	nathiya	24	2	3	3	2	2	1	0	0	0
407	neela	24	2	3	3	1	2	0	0	0	0

383	nirmala	24	2	3	3	1	1	0	0	0	0
170	nisa	24	2	3	3	2	2	1	0	0	0
155	padma	24	2	3	3	2	1	2	0	0	0
169	palaniyamr	24	2	3	3	2	1	0	0	0	0
381	paramu	24	2	3	3	1	2	0	0	0	0
412	parasakthi	24	2	3	3	1	2	1	0	0	0
384	ponni	24	2	3	3	1	2	1	0	0	0
168	poornima	24	2	3	3	2	1	0	0	0	0
486	poornima	24	2	3	3	2	0	0	0	0	0
504	priya	24	2	3	3	2	1	3	0	0	0
26	rada	24	2	3	3	1	2	0	0	0	0
163	radika	24	2	3	3	2	1	2	0	0	0
482	rajam	24	2	3	3	2	1	2	0	0	0
410	rama	24	2	3	3	2	1	2	0	0	0
581	rangamma	24	2	3	3	2	2	1	0	0	0
382	rani	24	2	3	3	1	1	4	0	0	0
472	rani	24	2	3	3	2	0	0	0	0	0
173	rashitha	24	2	3	3	2	2	1	0	0	0
359	revathy	24	2	3	3	1	2	1	0	0	0
408	roja	24	2	3	3	1	2	0	0	0	0
470	roopini	24	2	3	3	2	1	3	0	0	0
413	selvam	24	2	3	3	1	2	1	0	0	0
623	sengodi	24	2	3	3	2	1	4	0	0	0
492	shankari	24	2	3	3	2	1	4	0	0	0
583	shoba	24	2	3	3	2	1	3	0	0	0
485	sindghu	24	2	3	3	2	2	1	0	0	0
487	srimalar	24	2	3	3	2	2	1	0	0	0
488	suba	24	2	3	3	2	1	0	0	0	0
493	suba	24	2	3	3	2	2	1	0	0	0
621	sudha	24	2	3	3	2	1	2	0	0	0
34	suja	24	2	3	3	1	2	1	0	0	0
171	sujatha	24	2	3	3	2	1	2	0	0	0
35	sunitha	24	2	3	3	1	2	1	0	0	0
32	tarini	24	2	3	3	1	2	1	0	0	0
158	thangam	24	2	3	3	2	2	1	0	0	0
477	thangam	24	2	3	3	2	2	1	0	0	0

484	thangamar	24	2	3	3	2	1	4	0	0	0
31	thilagavath	24	2	3	3	1	2	1	0	0	0
36	udaya	24	2	3	3	1	1	2	0	0	0
37	uma	24	2	3	3	1	1	2	0	0	0
376	uma	24	2	3	3	1	1	0	0	0	0
579	uma	24	2	3	3	2	1	2	0	0	0
360	vadivu	24	2	3	3	1	1	0	0	0	0
474	valliammal	24	2	3	3	2	0	0	0	0	0
174	vani	24	2	3	3	2	1	0	0	0	0
620	vani	24	2	3	3	2	0	0	0	0	0
24	varalakshm	24	2	3	3	1	0	0	0	0	0
154	varsa	24	2	3	3	2	0	0	0	0	0
172	vasantha	24	2	3	3	2	1	0	0	0	0
46	vasanthi	24	2	3	3	1	1	2	0	0	0
469	veena	24	2	3	3	2	1	0	0	0	0
624	vijaya	24	2	3	3	2	2	1	0	0	0
494	vinotha	24	2	3	3	2	1	4	0	0	0
409	yasmin	24	2	3	3	1	2	1	0	0	0
625	yasmin	24	2	3	3	2	1	3	0	0	0
580	zebin	24	2	2	2	2	1	0	0	0	0
414	myena	24	2	2	2	1	2	1	1	1	1
417	vadivu	24	2	2	2	1	2	1	1	1	1
473	seetha	24	2	2	1	2	2	1	0	1	2
25	rahimunish	24	2	2	0	1	3	0	1	1	3
512	anusa	25	2	2	2	2	2	1	0	0	0
626	devi	25	2	2	3	2	1	0	0	0	0
178	devika	25	2	2	2	2	2	1	0	0	0
50	gomathy	25	2	2	1	1	2	0	0	0	0
47	govindamm	25	2	2	1	1	1	0	0	0	0
52	harshini	25	2	2	1	1	1	2	0	0	0
507	hema	25	2	2	2	2	1	3	0	0	0
51	kanchana	25	2	2	2	1	1	0	0	0	0
589	kayalvizhi	25	2	2	3	2	1	2	0	0	0
508	kiran	25	2	2	2	2	2	1	0	0	0
49	lalitha	25	2	2	3	1	1	2	0	0	0
48	latha	25	2	2	3	1	1	2	0	0	0

627	magalam	25	2	2	3	2	2	1	0	0	0
177	mathi	25	2	2	2	2	2	1	0	0	0
175	maya	25	2	2	2	2	0	0	0	0	0
179	meenakshi	25	2	2	2	2	1	2	0	0	0
176	mohana	25	2	1	3	2	0	0	0	0	0
511	munnira	25	2	3	0	2	1	3	0	0	0
398	rahamathn	25	2	3	3	2	2	0	0	0	0
421	rajalakshm	25	2	3	3	1	1	0	0	0	0
590	sangavi	25	2	3	3	2	1	0	0	0	0
510	selvarani	25	2	3	3	2	2	1	0	0	0
513	sivagami	25	2	3	3	2	1	4	0	0	0
422	sumathy	25	2	3	3	1	1	0	0	0	0
588	susheela	25	2	3	3	2	1	2	0	0	0
587	suzanne	25	2	3	3	2	1	2	0	0	0
397	tamilselvi	25	2	3	3	1	2	1	0	0	0
514	thangamar	25	2	3	3	2	2	1	0	0	0
506	valar	25	2	3	3	2	2	1	0	0	0
505	valli	25	2	3	3	2	1	2	0	0	0
509	vennila	25	2	3	3	2	1	0	0	0	0
462	viji	25	2	3	3	2	2	1	0	0	0
515	banu	26	3	2	2	2	2	0	0	0	0
519	dhanalaksh	26	3	2	2	2	2	1	0	0	0
591	durga	26	3	2	2	2	1	3	0	0	0
628	eswari	26	3	2	1	2	1	0	0	0	0
629	fuiia	26	3	2	1	2	2	1	0	0	0
180	geetha	26	3	2	3	2	2	1	0	0	0
182	jeyanthi	26	3	2	2	2	2	1	0	0	0
181	kalai	26	3	2	1	2	1	0	0	0	0
631	kumudha	26	3	2	2	2	1	2	0	0	0
183	lavanya	26	3	2	3	2	1	3	0	0	0
517	maya	26	3	2	1	2	2	1	0	0	0
423	nalli	26	3	3	3	1	2	0	0	0	0
593	prabha	26	3	3	3	2	1	0	0	0	0
713	puppitha	26	3	3	3	2	1	2	0	0	0
520	sarathy	26	3	3	3	2	1	3	0	0	0
516	savithiri	26	3	3	3	2	2	1	0	0	0

630	sheeba	26	3	3	3	2	2	1	0	0	0
518	sultbana	26	3	3	3	2	1	3	0	0	0
592	sumathy	26	3	3	3	2	2	1	0	0	0
53	vijaya	26	3	3	3	1	2	1	0	0	0
54	seethalaks	26	3	2	1	1	4	1	1	1	2
714	analakshm	27	3	2	2	2	2	0	0	0	0
186	banu	27	3	2	2	2	2	0	0	0	0
56	chandra	27	3	2	1	1	2	1	0	0	0
187	eniya	27	3	2	2	2	2	1	0	0	0
58	gayathri	27	3	2	2	1	3	1	0	0	0
596	gayathri	27	3	2	3	2	2	1	0	0	0
598	gowri	27	3	2	2	2	2	1	0	0	0
184	jeyanthi	27	3	2	2	2	2	1	0	0	0
634	kalavathy	27	3	2	2	2	2	1	0	0	0
595	kanga	27	3	2	2	2	2	1	0	0	0
637	mangalam	27	3	2	2	2	2	1	0	0	0
190	manju	27	3	2	1	2	2	1	0	0	0
594	meena	27	3	2	2	2	2	1	0	0	0
524	nalini	27	3	3	3	2	2	1	0	0	0
635	nallu	27	3	3	3	2	1	0	0	0	0
188	nandhini	27	3	3	3	2	2	0	0	0	0
599	narmddha	27	3	3	3	2	2	2	0	0	0
525	preetha	27	3	3	3	2	2	1	0	0	0
526	prizilla	27	3	3	3	2	2	1	0	0	0
636	pushpa	27	3	3	3	2	2	1	0	0	0
523	radhika	27	3	3	3	2	2	1	0	0	0
189	roja	27	3	3	3	2	2	0	0	0	0
521	sangeetha	27	3	3	3	2	3	0	0	0	0
185	sarala	27	3	3	3	2	1	4	0	0	0
633	selvi	27	3	3	3	2	2	1	0	0	0
597	shankari	27	3	3	3	2	2	1	0	0	0
522	sumi	27	3	3	3	2	2	1	0	0	0
632	vasanthi	27	3	3	3	2	1	2	0	0	0
385	rajeswari	27	3	2	1	1	2	0	1	0	1
386	varalakshm	27	3	2	1	1	2	1	1	1	1
57	latha	27	3	2	1	1	3	1	1	1	2

387	premavathi	27	3	2	1	1	3	1	1	1	2
55	valarmathy	27	3	2	2	1	2	0	1	1	2
650	akila	28	3	2	3	2	1	4	0	0	0
644	angammal	28	3	2	3	2	2	1	0	0	0
538	ananthi	28	3	2	2	2	2	1	0	0	0
209	anupriya	28	3	2	1	2	2	1	0	0	0
715	anulaxmi	28	3	2	3	2	1	3	0	0	0
213	ashwini	28	3	2	1	2	2	1	0	0	0
191	ayesha	28	3	2	3	2	1	0	0	0	0
192	ahsa	28	3	2	3	2	1	0	0	0	0
200	banu	28	3	2	2	2	2	0	0	0	0
533	banu	28	3	2	0	2	2	1	0	0	0
216	bavana	28	3	2	3	2	2	1	0	0	0
600	buelah	28	3	2	2	2	2	1	0	0	0
61	chandra	28	3	2	1	1	2	1	0	0	0
364	chitrkala	28	3	2	2	1	2	1	0	0	0
539	eswari	28	3	2	2	2	2	0	0	0	0
540	gandhi	28	3	2	1	2	2	4	0	0	0
196	geetha	28	3	2	3	2	2	1	0	0	0
315	girija	28	3	2	3	3	1	2	0	0	0
640	hamsa	28	3	2	2	2	2	1	0	0	0
207	harini	28	3	2	3	2	2	1	0	0	0
528	indhu	28	3	2	2	2	2	1	0	0	0
529	indu	28	3	2	1	2	2	1	0	0	0
534	jankai	28	3	2	1	2	2	1	0	0	0
602	jansi	28	3	2	2	2	2	1	0	0	0
601	jennila	28	3	2	2	2	2	1	0	0	0
193	jeyanthi	28	3	2	2	2	2	1	0	0	0
210	jothiyamma	28	3	2	1	2	2	1	0	0	0
541	kalaivani	28	3	2	0	2	2	1	0	0	0
217	kavitha	28	3	2	2	2	2	1	0	0	0
195	komala	28	3	2	1	2	1	2	0	0	0
639	kribavaty	28	3	2	2	2	2	1	0	0	0
214	kumari	28	3	2	3	2	2	1	0	0	0
527	kuppu	28	3	2	3	2	2	1	0	0	0
651	lalitha	28	3	2	1	2	2	1	0	0	0

646	madamma	28	3	2	2	2	2	4	0	0	0
194	mahalaksh	28	3	2	3	2	1	3	0	0	0
537	marimuthu	28	3	2	3	2	2	1	0	0	0
642	meera	28	3	2	1	2	2	0	0	0	0
197	megala	28	3	2	2	2	2	1	0	0	0
317	mituna	28	3	1	2	3	1	0	0	0	0
641	moghana	28	3	1	2	2	2	4	0	0	0
425	muthu	28	3	3	1	1	2	4	0	0	0
532	myena	28	3	3	2	2	2	1	0	0	0
649	mythili	28	3	3	1	2	2	1	0	0	0
208	nandhini	28	3	3	3	2	2	0	0	0	0
215	neeraja	28	3	3	3	2	2	1	0	0	0
716	nirmala	28	3	3	3	2	1	4	0	0	0
424	ponni	28	3	3	3	1	2	1	0	0	0
536	radhika	28	3	3	3	2	2	1	0	0	0
643	rajammal	28	3	3	3	2	2	1	0	0	0
198	revathy	28	3	3	3	2	2	1	0	0	0
199	revathy	28	3	3	3	2	2	1	0	0	0
603	ruba	28	3	3	3	2	2	1	0	0	0
647	sampath	28	3	3	3	2	1	4	0	0	0
388	saradha	28	3	3	3	1	2	1	0	0	0
212	saroja	28	3	3	3	2	2	1	0	0	0
201	shantha	28	3	3	3	2	2	1	0	0	0
316	sita	28	3	3	3	3	2	1	0	0	0
211	sofia	28	3	3	3	2	1	2	0	0	0
206	suda	28	3	3	3	2	2	1	0	0	0
605	suganya	28	3	3	3	2	2	1	0	0	0
604	sumithra	28	3	3	3	2	2	0	0	0	0
63	tamilselvi	28	3	3	3	1	3	1	0	0	0
648	usha	28	3	3	3	2	2	1	0	0	0
638	valli	28	3	3	3	2	2	1	0	0	0
203	vani	28	3	3	3	2	2	1	0	0	0
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645	vani	28	3	3	3	2	1	2	0	0	0
64	vanitha	28	3	3	3	1	2	1	0	0	0
202	vanitha	28	3	3	3	2	2	1	0	0	0

535	veni	28	3	3	3	2	2	1	0	0	0
65	vennila	28	3	3	3	1	2	1	0	0	0
59	vijaya	28	3	3	3	1	2	1	0	0	0
205	wahida	28	3	3	3	2	1	3	0	0	0
728	yasmin	28	3	3	3	2	1	2	0	0	0
72	eswari	28	3	2	2	1	2	1	1	1	1
426	girija	28	3	2	1	2	2	1	1	1	1
68	jeenath	28	3	2	0	1	2	0	1	1	1
530	roghini	28	3	2	2	2	2	0	1	1	1
531	sangeetha	28	3	2	2	2	2	1	0	1	1
71	tulasi	28	3	2	2	1	2	1	1	1	1
343	amsaveni	28	3	2	1	1	2	1	1	1	2
62	dhanalaksh	28	3	2	1	1	2	1	1	1	2
69	nirmala	28	3	2	1	1	2	1	1	1	2
60	rajeswari	28	3	2	1	1	4	1	1	1	2
365	revathi	28	3	2	1	1	2	1	1	1	2
66	sadana	28	3	2	0	1	2	1	1	1	2
73	seethalaks	28	3	2	1	1	4	1	1	1	2
67	sujitha	28	3	2	0	1	2	1	1	1	2
70	santhi	28	3	2	0	1	3	1	1	1	3
336	suganthi	28	3	2	1	1	3	1	1	1	3
545	ambika	29	3	2	2	2	2	2	0	0	0
657	anbumalar	29	3	2	2	2	2	1	0	0	0
230	akila	29	3	2	1	2	2	1	0	0	0
658	bhavani	29	3	2	2	2	2	1	0	0	0
76	chandra	29	3	2	1	1	2	1	0	0	0
718	chellam	29	3	2	1	2	3	1	0	0	0
430	devi	29	3	2	1	1	3	1	0	0	0
547	devi	29	3	2	2	2	2	1	0	0	0
544	durga	29	3	2	2	2	2	1	0	0	0
226	eniya	29	3	2	2	2	2	1	0	0	0
318	girija	29	3	2	3	3	1	2	0	0	0
652	jasmin	29	3	2	2	2	2	1	0	0	0
229	jeyanthi	29	3	2	2	2	2	1	0	0	0
223	kalai	29	3	2	1	2	1	0	0	0	0
653	kalliammal	29	3	2	3	2	2	1	0	0	0

219	komala	29	3	2	1	2	1	2	0	0	0
231	komala	29	3	2	3	2	2	1	0	0	0
389	latha	29	3	2	1	1	2	1	0	0	0
607	mala	29	3	2	2	2	2	1	0	0	0
654	mala	29	3	2	2	2	2	1	0	0	0
78	malarvizhi	29	3	2	1	1	2	1	0	0	0
220	malarvizhi	29	3	2	2	2	2	1	0	0	0
366	mano	29	3	2	1	1	2	1	0	0	0
221	megala	29	3	1	2	2	2	1	0	0	0
719	myena	29	3	3	3	2	2	1	0	0	0
655	mytheli	29	3	3	3	2	2	1	0	0	0
542	nirubha	29	3	3	3	2	2	1	0	0	0
606	nithya	29	3	3	3	2	2	1	0	0	0
232	raga	29	3	3	3	2	2	1	0	0	0
543	sakthi	29	3	3	3	2	2	1	0	0	0
222	sarala	29	3	3	3	2	1	4	0	0	0
717	saroja	29	3	3	3	2	2	1	0	0	0
656	savitha	29	3	3	3	2	2	1	0	0	0
234	savithri	29	3	3	3	2	2	1	0	0	0
218	seethalaks	29	3	3	3	2	2	1	0	0	0
224	shantha	29	3	3	3	2	2	1	0	0	0
319	sita	29	3	3	3	3	2	1	0	0	0
228	sulochana	29	3	3	3	2	2	1	0	0	0
546	tamilarasi	29	3	3	3	2	2	1	0	0	0
77	vani	29	3	3	3	1	2	1	0	0	0
233	vijayalaxmi	29	3	3	3	2	2	1	0	0	0
225	vimala	29	3	3	3	2	2	1	0	0	0
227	wahida	29	3	3	3	2	1	3	0	0	0
429	krthika	29	3	2	2	1	2	1	1	1	1
80	mariamma	29	3	2	1	1	3	1	1	1	1
427	vennila	29	3	2	1	1	2	0	1	1	1
367	gandghi	29	3	2	1	1	3	1	1	1	2
344	jyothi	29	3	2	0	1	2	1	1	1	2
74	rajeswari	29	3	2	1	1	4	1	1	1	2
428	sowmiya	29	3	2	2	1	2	1	1	1	2
75	valarmathy	29	3	2	2	1	2	0	1	1	2

79	santhi	29	3	2	0	1	3	1	1	1	3
81	amala	30	3	2	2	1	2	0	0	0	0
663	amsa	30	3	2	2	2	2	1	0	0	0
666	amsaveni	30	3	2	2	2	1	4	0	0	0
553	annalakshr	30	3	2	0	2	2	1	0	0	0
390	bavani	30	3	2	2	1	2	2	0	0	0
244	chithra	30	3	2	1	2	1	0	0	0	0
608	easwari	30	3	2	2	2	2	1	0	0	0
89	gayathri	30	3	2	2	1	2	1	0	0	0
551	jayakodi	30	3	2	1	2	2	1	0	0	0
245	jayalaxmi	30	3	2	3	2	1	0	0	0	0
664	jothi	30	3	2	1	2	2	1	0	0	0
554	kalivani	30	3	2	2	2	2	0	0	0	0
665	kannama	30	3	2	2	2	1	4	0	0	0
432	kaveri	30	3	2	0	1	2	1	0	0	0
556	kuruvama	30	3	2	1	2	2	1	0	0	0
236	mahalaksh	30	3	2	3	2	2	0	0	0	0
86	malarvizhi	30	3	2	1	1	2	1	0	0	0
237	malarvizhi	30	3	2	2	2	2	1	0	0	0
552	malini	30	3	2	2	2	3	1	0	0	0
557	mytheli	30	3	3	1	2	2	1	0	0	0
667	parveen	30	3	3	3	2	2	1	0	0	0
550	radahabai	30	3	3	3	2	2	1	0	0	0
243	reka	30	3	3	3	2	2	1	0	0	0
246	rosalin	30	3	3	3	2	2	1	0	0	0
661	rosamma	30	3	3	3	2	2	1	0	0	0
82	sakthidevi	30	3	3	3	1	2	0	0	0	0
247	sankari	30	3	3	3	2	2	1	0	0	0
555	sarala	30	3	3	3	2	2	4	0	0	0
659	savithiri	30	3	3	3	2	2	1	0	0	0
548	seetha	30	3	3	3	2	2	1	0	0	0
235	seethalaks	30	3	3	3	2	2	1	0	0	0
660	shantha	30	3	3	3	2	2	1	0	0	0
242	sulochana	30	3	3	3	2	2	1	0	0	0
662	susi	30	3	3	3	2	2	1	0	0	0
84	tamilselvi	30	3	3	3	1	3	1	0	0	0

431	usha	30	3	3	3	2	2	1	0	0	0
240	vanitha	30	3	3	3	2	2	1	0	0	0
241	vimala	30	3	3	3	2	2	1	0	0	0
549	durga	30	3	2	2	2	2	1	1	1	1
87	jeenath	30	3	2	0	1	2	0	1	1	1
91	devi	30	3	2	1	1	3	0	1	1	2
83	dhanalaksh	30	3	2	1	1	2	1	1	1	2
238	gowri	30	3	2	1	2	2	4	1	1	2
368	indu.	30	3	2	1	1	2	1	1	1	2
85	latha	30	3	2	1	1	3	1	1	1	2
337	laxmi	30	3	2	1	1	2	3	1	1	2
345	mangi	30	3	2	1	1	3	0	1	1	2
90	nallama	30	3	2	1	1	3	0	1	1	2
88	nirmala	30	3	2	1	1	2	1	1	1	2
335	prema	30	3	2	1	1	2	1	1	1	2
239	ridha	30	3	2	1	2	2	4	1	1	2
92	tharani	30	3	2	0	1	3	1	1	1	2
671	bharathi	31	4	2	2	2	2	0	0	0	0
732	deepa	31	4	2	2	3	2	1	0	0	0
609	ganga	31	4	2	2	2	2	1	0	0	0
729	girija	31	4	2	1	2	2	1	0	0	0
252	jamuna	31	4	2	2	2	2	1	0	0	0
669	kanmani	31	4	2	1	2	2	1	0	0	0
248	karpagam	31	4	2	0	2	2	1	0	0	0
558	leevathi	31	4	2	2	2	2	1	0	0	0
670	malar	31	4	2	2	2	3	1	0	0	0
610	menaka	31	4	1	2	2	2	1	0	0	0
721	monia	31	4	1	2	2	2	1	0	0	0
720	sindu	31	4	3	3	2	2	1	0	0	0
249	usha rani	31	4	3	3	2	2	1	0	0	0
251	yalini	31	4	3	3	2	3	1	0	0	0
668	yamuna	31	4	3	3	2	2	1	0	0	0
250	yasoda	31	4	3	3	2	1	0	0	0	0
93	andal	31	4	2	2	1	2	1	1	1	2
391	layana	31	4	2	2	1	2	1	1	1	2
369	ramya	31	4	2	2	1	2	0	1	1	2

94	rohini	31	4	2	1	1	2	1	1	1	2
434	anjali	32	4	2	1	2	1	0	0	0	0
559	deena	32	4	2	2	2	2	1	0	0	0
254	eswari	32	4	2	2	2	2	1	0	0	0
255	gitanjali	32	4	2	2	2	2	1	0	0	0
320	gowri	32	4	2	3	3	2	1	0	0	0
261	janaki	32	4	2	2	2	3	1	0	0	0
253	karpagam	32	4	2	0	2	2	1	0	0	0
613	kuruvamm	32	4	2	1	2	2	0	0	0	0
673	lakshmi	32	4	2	1	2	2	1	0	0	0
256	lavanya	32	4	2	2	2	2	1	0	0	0
672	madhu	32	4	2	5	2	2	1	0	0	0
677	murugamm	32	4	3	0	2	2	1	0	0	0
722	niranjana	32	4	3	3	2	2	1	0	0	0
733	padmini	32	4	3	3	3	2	1	0	0	0
730	raji	32	4	3	3	2	2	1	0	0	0
260	ranjitha	32	4	3	3	2	2	0	0	0	0
676	ruba	32	4	3	3	2	2	1	0	0	0
433	saroja	32	4	3	3	1	3	1	0	0	0
674	suganya	32	4	3	3	2	2	1	0	0	0
612	suguna	32	4	3	3	2	2	1	0	0	0
257	usha	32	4	3	3	2	2	1	0	0	0
560	vasantha	32	4	3	3	2	2	1	0	0	0
259	viji	32	4	3	3	2	2	1	0	0	0
258	yalini	32	4	3	3	2	3	1	0	0	0
675	parvathy	32	4	2	1	2	2	1	1	1	1
435	rathi	32	4	2	1	2	2	0	1	1	1
346	santhi	32	4	2	0	1	3	0	1	1	1
611	sulthana	32	4	2	2	2	2	1	1	1	1
321	eswari	32	4	2	2	1	2	4	1	1	2
334	laxmi	32	3	2	1	1	2	3	1	1	2
338	naseem	32	4	2	2	1	3	0	1	1	2
333	thara	32	3	2	1	1	3	1	1	1	2
332	rahimunish	32	2	2	0	1	4	0	1	1	3
681	anjala	33	4	2	1	2	2	1	0	0	0
267	asha	33	4	2	2	2	2	1	0	0	0

271	bagyam	33	4	2	2	2	2	1	0	0	0
678	deva	33	4	2	2	2	2	1	0	0	0
262	kala	33	4	2	3	2	2	1	0	0	0
723	kanaga	33	4	2	1	2	2	1	0	0	0
679	lalitha	33	4	2	2	2	2	1	0	0	0
562	lavanya	33	4	2	3	2	2	1	0	0	0
263	meera	33	4	2	0	2	3	1	0	0	0
614	nagammal	33	4	3	1	2	2	1	0	0	0
268	nila	33	4	3	3	2	2	1	0	0	0
682	padmini	33	4	3	3	2	2	1	0	0	0
564	pappathi	33	4	3	3	2	2	1	0	0	0
270	rihana	33	4	3	3	2	3	1	0	0	0
563	ruby	33	4	3	3	2	2	1	0	0	0
96	sabana	33	4	3	3	1	2	1	0	0	0
266	sadana	33	4	3	3	2	1	0	0	0	0
680	santhanam	33	4	3	3	2	3	1	0	0	0
561	saraswathi	33	4	3	3	2	2	1	0	0	0
615	sivagami	33	4	3	3	2	2	1	0	0	0
683	subha	33	4	3	3	2	2	1	0	0	0
269	viji	33	4	3	3	2	2	1	0	0	0
264	yasoda	33	4	3	3	2	1	0	0	0	0
392	suji	33	4	2	1	2	2	0	1	1	1
95	kokila	33	4	2	2	1	3	1	0	1	2
97	rihana	33	4	2	1	1	3	0	1	1	2
265	snega	33	4	2	1	2	3	1	0	1	2
437	sundari	33	4	2	2	1	2	1	1	1	2
436	vijaya	33	4	2	1	1	2	1	1	1	2
98	chithra	33	4	2	1	1	3	1	1	1	3
569	alamalu	34	4	2	2	2	3	1	0	0	0
278	asha	34	4	2	2	2	2	1	0	0	0
438	barani	34	4	2	2	1	2	1	0	0	0
283	daranipriya	34	4	2	2	2	2	1	0	0	0
394	devi	34	4	2	2	1	2	0	0	0	0
693	dhanam	34	4	2	3	2	2	1	0	0	0
685	geetha	34	4	2	2	2	2	1	0	0	0
275	gitanjali	34	4	2	2	2	2	1	0	0	0

282	jeeva	34	4	2	2	2	2	1	0	0	0
274	kala	34	4	2	3	2	2	1	0	0	0
686	kala	34	4	2	2	2	2	1	0	0	0
571	kalpana	34	4	2	1	2	2	1	0	0	0
572	kamsala	34	4	2	2	2	3	1	0	0	0
617	kasthuri	34	4	2	2	2	2	0	0	0	0
694	kirshnaven	34	4	2	3	2	2	1	0	0	0
616	kokila	34	4	2	1	2	3	1	0	0	0
276	lavanya	34	4	2	2	2	2	1	0	0	0
570	maduri	34	4	2	2	2	2	0	0	0	0
695	mangalam	34	4	2	2	2	2	1	0	0	0
272	manjula	34	4	2	3	2	2	1	0	0	0
565	neelavani	34	4	3	3	2	2	1	0	0	0
323	nirosa	34	4	3	3	3	2	1	0	0	0
566	palanimma	34	4	3	3	2	2	1	0	0	0
689	prema	34	4	3	3	2	2	1	0	0	0
281	priya	34	4	3	3	2	2	1	0	0	0
684	radha	34	4	3	3	2	2	1	0	0	0
692	rajammal	34	4	3	3	2	2	1	0	0	0
696	ramayee	34	4	3	3	2	2	0	0	0	0
273	reka	34	4	3	3	2	2	1	0	0	0
687	rohini	34	4	3	3	2	2	1	0	0	0
277	sadana	34	4	3	3	2	1	0	0	0	0
697	saradhi	34	4	3	3	2	2	1	0	0	0
568	sasi	34	4	3	3	2	3	1	0	0	0
567	seeta	34	4	3	3	2	2	1	0	0	0
279	tamilarasi	34	4	3	3	2	2	1	0	0	0
440	thangam	34	4	3	3	1	2	1	0	0	0
691	umyal	34	4	3	3	2	3	1	0	0	0
690	vanaja	34	4	3	3	2	2	0	0	0	0
280	yogalaxmi	34	4	3	3	2	3	1	0	0	0
439	abinaya	34	4	2	1	1	3	1	0	1	1
105	banu	34	4	2	1	1	3	0	1	1	1
104	brinda	34	4	2	1	1	3	0	1	1	1
103	celin	34	4	2	1	1	2	1	1	1	1
370	eswari	34	4	2	2	1	2	1	1	1	1

688	lilly	34	4	2	1	2	2	4	0	1	1
102	nalini	34	4	2	1	1	2	1	1	1	1
101	nithya	34	4	2	1	1	2	1	1	1	1
100	vani	34	4	2	1	1	2	1	1	1	1
106	gandimathi	34	4	2	1	1	3	0	1	1	2
347	kamala	34	4	2	0	1	3	1	1	1	2
99	kokila	34	4	2	2	1	3	1	0	1	2
348	mumtaj	34	4	2	1	1	2	0	1	1	2
393	neela	34	4	2	2	1	3	1	1	1	2
339	ranjani	34	4	2	1	1	2	1	1	1	2
322	wahida	34	4	2	2	1	2	4	1	1	2
573	abirami	35	4	2	2	2	2	1	0	0	0
290	anu	35	4	2	1	2	3	1	0	0	0
698	angammal	35	4	2	3	2	3	0	0	0	0
285	eswari	35	4	2	2	2	2	1	0	0	0
324	gowri	35	4	2	3	3	2	1	0	0	0
577	gunavathi	35	4	2	0	2	2	1	0	0	0
292	jeyanthi	35	4	2	2	2	2	1	0	0	0
724	kalai	35	4	2	2	2	3	0	0	0	0
701	kalyani	35	4	2	1	2	2	1	0	0	0
576	kumari	35	4	2	2	2	2	1	0	0	0
725	madumitha	35	4	2	1	2	2	1	0	0	0
734	malar	35	4	2	3	3	2	1	0	0	0
700	meenachi	35	4	2	2	2	2	1	0	0	0
286	meera	35	4	2	0	2	3	1	0	0	0
289	nila	35	4	3	3	2	2	1	0	0	0
703	nithya	35	4	3	3	2	2	1	0	0	0
291	rada	35	4	3	3	2	2	1	0	0	0
107	sabana	35	4	3	3	1	2	1	0	0	0
702	suseela	35	4	3	3	2	2	1	0	0	0
574	thamari	35	4	3	3	2	2	1	0	0	0
699	thilaga	35	4	3	3	2	2	1	0	0	0
288	usha	35	4	3	3	2	2	1	0	0	0
284	usha rani	35	4	3	3	2	2	1	0	0	0
575	vani	35	4	3	3	2	2	0	0	0	0
109	mary	35	4	2	2	1	2	1	1	1	1

108	andal	35	4	2	2	1	3	1	1	1	2
371	ganga	35	4	2	0	1	3	1	1	1	2
395	jhansi	35	4	2	2	1	3	1	1	1	2
287	snega	35	4	2	1	2	2	1	0	1	2
349	vanitha	35	4	2	0	1	3	0	1	1	2
329	nisha	35	2	2	2	1	3	1	1	1	3
110	krishnaven	36	5	2	1	1	2	1	0	0	0
618	radhika	36	5	3	3	2	2	1	0	0	0
350	sita	36	5	2	1	1	3	1	1	1	2
704	asma	37	5	2	2	2	2	1	0	0	0
326	farhana ba	37	5	2	3	3	2	1	0	0	0
293	latha	37	5	2	2	2	2	1	0	0	0
325	poulin	37	5	3	3	3	2	1	0	0	0
726	rathna	37	5	3	3	2	3	1	0	0	0
731	ropan	37	5	3	3	2	2	1	0	0	0
372	jeeva	37	5	2	2	1	2	1	1	1	3
297	devi	38	5	2	2	2	2	0	0	0	0
705	karbagam	38	5	2	2	2	2	1	0	0	0
706	kiruba	38	5	2	2	2	2	1	0	0	0
707	malar	38	5	2	2	2	2	1	0	0	0
299	meena	38	5	2	2	2	2	1	0	0	0
296	parvathy	38	5	3	3	2	2	0	0	0	0
327	poulin	38	5	3	3	3	2	1	0	0	0
111	renuga	38	5	3	3	1	2	1	0	0	0
112	sindu	38	5	3	3	1	2	1	0	0	0
300	sindu	38	5	3	3	2	2	1	0	0	0
301	swapna	38	5	3	3	2	2	1	0	0	0
295	uma	38	5	3	3	2	2	1	0	0	0
298	usha	38	5	3	3	2	2	0	0	0	0
302	vinoda	38	5	3	3	2	2	0	0	0	0
294	yasmin	38	5	3	3	2	3	1	0	0	0
396	megala	38	5	2	2	1	3	1	1	1	2
727	dhanam	39	5	2	1	2	2	0	0	0	0
306	hema	39	5	2	2	2	2	1	0	0	0
113	janagi	39	5	2	1	1	2	1	0	0	0
114	janani	39	5	2	1	1	2	1	0	0	0

710	kalayni	39	5	2	2	2	2	1	0	0	0
307	malini	39	5	2	2	2	2	1	0	0	0
709	nagammal	39	5	3	1	2	3	1	0	0	0
305	parvathy	39	5	3	3	2	2	0	0	0	0
304	shenbagan	39	5	3	3	2	2	1	0	0	0
308	sindu	39	5	3	3	2	2	1	0	0	0
309	swapna	39	5	3	3	2	2	1	0	0	0
708	valar	39	5	3	3	2	2	1	0	0	0
310	vinoda	39	5	3	3	2	2	0	0	0	0
303	yasmin	39	5	3	3	2	2	0	0	0	0
340	sujatha	39	5	2	0	1	2	1	1	1	3
712	baby	40	5	2	2	2	2	0	0	0	0
711	deepa	40	5	2	2	2	2	1	0	0	0
115	krishnaven	40	5	2	1	1	2	1	0	0	0
313	latha	40	5	2	2	2	2	1	0	0	0
314	meena	40	5	2	2	2	2	1	0	0	0
311	shenbagan	40	5	3	3	2	2	1	0	0	0
312	uma	40	5	3	3	2	2	1	0	0	0

AGE GROUP :
1- 20 YRS
2- 21 -25 YRS
3- 26-30 YRS
4- 31-35 YRS
5- 36- 40 YRS
S

SOCIOECCONOMIC STATUS
1- <RS.2000
2- RS.2000- RS. 5000
3- >RS5000

CONTRACEPTION
0- NO CONTRACEPTION
1- PUERPERAL STERILISATION
2- BARRIER METHOD- CONDOM
3- CONTRACEPTIVE PILL
4- INTRAUTERINE CONTRACEPTIVE DEVICE

AGR AT MARRIAGE
1- 15 - 20 YRS
2- 21 - 25 YRS
3- 26 - 30 YRS

EDUCATION
0- NIL
1- 1-5 STANDARD
2- 6-12 STANDARD
3- DEGREE

BIOPSY RESULT
0- NORMAL
1- CHRONIC NON SPECIFIC CERVICITIS
2- LSIL
3- HSIL

PARITY
0- NULLIPAROUS
1- PARA 1
2- PARA 2
3- PARA 3
4- PARA 4 AND ABOVE

VIA/VILI RESULTS
0- NORMAL STUDY
1- POSITIVE

COLPOSCOPY
0- NORMAL
1- S

MASTER CHART- ANNEXURE II

COLPO NO.	NAME	AGE	AGE GROUP	S.E.S	EDUCA	AGE AT MARRIAGE-GROUP	PARITY	CONTRA	VAI/ VILI	COLPOS	BIOPSY
6	anitha	20	1	2	1	1	0	0	0	0	0
2	asha	20	1	2	2	1	0	0	0	0	0
341	farida	20	1	2	2	1	1	0	0	0	0
351	farida	20	1	2	2	1	0	0	0	0	0
3	fathima	20	1	2	2	1	0	0	0	0	0
353	kondamma	20	1	2	1	1	1	0	0	0	0
5	priya	20	1	3	3	1	0	0	0	0	0
4	seetha	20	1	3	3	1	0	0	0	0	0
352	sriradha	20	1	3	3	1	1	0	0	0	0
1	usha	20	1	3	3	1	0	0	0	0	0
9	fousiya	21	2	2	1	1	1	3	0	0	0
8	harini	21	2	2	1	1	1	2	0	0	0
442	jeeva	21	2	2	2	1	0	0	0	0	0
441	jenifier	21	2	2	1	1	0	0	0	0	0
7	lakshmi	21	2	2	2	1	1	2	0	0	0
10	sampathku	21	2	3	3	1	1	0	0	0	0
443	leela	22	2	2	2	1	2	0	0	0	0
11	logeswari	22	2	2	2	1	1	3	0	0	0
13	sinduja	22	2	3	3	1	0	0	0	0	0
12	thiruseivi	22	2	3	3	1	1	0	0	0	0
18	ammu	23	2	2	2	1	1	2	0	0	0
355	asha	23	2	2	2	1	0	0	0	0	0
126	ayesa	23	2	2	1	2	1	3	0	0	0
132	anitha	23	2	2	1	2	1	3	0	0	0
19	aseena	23	2	2	3	1	0	0	0	0	0
116	afdab	23	1	2	2	2	1	2	0	0	0
465	bakiyam	23	2	2	2	2	2	1	0	0	0
15	barathy	23	2	2	2	1	2	1	0	0	0
404	begam	23	2	2	2	1	1	2	0	0	0
124	bharathi	23	2	2	3	2	1	3	0	0	0
17	darani	23	2	2	2	1	1	4	0	0	0
448	deepavathy	23	2	2	1	2	1	0	0	0	0

117	divya	23	1	2	2	2	1	0	0	0	0
453	esabella	23	2	2	1	2	1	2	0	0	0
135	fathima	23	2	2	2	2	1	0	0	0	0
399	gandghi	23	2	2	2	1	1	0	0	0	0
454	gandghi	23	2	2	3	2	1	0	0	0	0
23	geetha	23	2	2	3	1	2	1	0	0	0
461	geetha	23	2	2	2	2	1	2	0	0	0
16	gomathy	23	2	2	1	1	2	0	0	0	0
143	harini	23	2	2	3	2	1	0	0	0	0
401	hemavathi	23	2	2	2	1	1	4	0	0	0
456	indra	23	2	2	2	1	2	1	0	0	0
130	jammuna	23	2	2	2	2	1	3	0	0	0
118	janma	23	2	2	2	2	1	2	0	0	0
354	kaliselvi	23	2	2	1	1	1	4	0	0	0
464	kamatchi	23	2	2	1	2	1	4	0	0	0
449	kasiammal	23	2	2	1	2	1	0	0	0	0
400	kavita	23	2	2	2	1	1	2	0	0	0
120	kiruba	23	2	2	2	2	1	4	0	0	0
137	kokila	23	2	2	2	2	1	0	0	0	0
129	komala	23	2	2	2	2	1	3	0	0	0
139	laila	23	2	2	1	2	1	2	0	0	0
405	magalam	23	2	2	2	1	1	2	0	0	0
458	mani	23	2	2	2	2	1	3	0	0	0
136	mathi	23	2	2	2	2	1	2	0	0	0
123	meenakshi	23	2	2	2	2	1	2	0	0	0
127	mohana	23	2	1	3	2	0	0	0	0	0
445	nalini	23	2	3	2	2	1	0	0	0	0
144	nandhini	23	2	3	3	2	0	0	0	0	0
467	nandhini	23	2	3	3	2	1	2	0	0	0
406	nila	23	2	3	3	1	1	3	0	0	0
356	nisha	23	2	3	3	1	2	1	0	0	0
121	padma	23	2	3	3	2	1	2	0	0	0
451	parvathy	23	2	3	3	1	1	2	0	0	0
450	preethi	23	2	3	3	2	1	2	0	0	0
446	priya	23	2	3	3	2	1	0	0	0	0
125	pushpa	23	2	3	3	2	1	4	0	0	0

131	pushpa	23	2	3	3	2	1	2	0	0	0
466	radha	23	2	3	3	2	1	2	0	0	0
140	radika	23	2	3	3	2	1	2	0	0	0
128	ragavi	23	2	3	3	2	1	3	0	0	0
138	ragavi	23	2	3	3	2	1	3	0	0	0
141	rahini	23	2	3	3	2	1	2	0	0	0
460	rajamani	23	2	3	3	2	1	0	0	0	0
373	reka	23	2	3	3	1	1	0	0	0	0
403	roopa	23	2	3	3	1	1	3	0	0	0
578	sarala	23	2	3	3	2	1	3	0	0	0
457	saryna	23	2	3	3	2	1	2	0	0	0
463	sellammal	23	2	3	3	2	1	3	0	0	0
134	selvi	23	2	3	3	2	1	0	0	0	0
402	suganthi	23	2	3	3	2	0	0	0	0	0
14	tamilselvi	23	2	3	3	1	2	1	0	0	0
619	thaillamma	23	2	3	3	2	1	4	0	0	0
122	thangam	23	2	3	3	2	1	2	0	0	0
459	thangam	23	2	3	3	2	1	2	0	0	0
452	theras	23	2	3	3	1	1	2	0	0	0
444	usgha	23	2	3	3	2	1	0	0	0	0
342	varalakshm	23	2	3	3	1	2	0	0	0	0
119	vasuki	23	2	3	3	2	1	4	0	0	0
133	vasuki	23	2	3	3	2	1	4	0	0	0
142	vennila	23	2	3	3	2	1	3	0	0	0
21	vidhya	23	2	3	3	1	0	0	0	0	0
447	vimal	23	2	3	3	2	1	2	0	0	0
20	vimala	23	2	3	3	1	0	0	0	0	0
455	myena	23	2	2	2	1	1	4	1	1	1
22	nirmaladev	23	2	2	2	1	1	3	1	1	1
331	ajima	24	2	2	0	1	2	1	0	0	0
497	allagma	24	2	2	1	2	1	2	0	0	0
42	akila	24	2	2	2	1	1	2	0	0	0
503	amsa	24	2	2	2	2	2	0	0	0	0
478	anandhi	24	2	2	1	2	1	2	0	0	0
45	anjalai	24	2	2	2	1	1	0	0	0	0
43	anjali	24	2	2	3	1	0	0	0	0	0

374	afida	24	2	2	1	1	1	2	0	0	0
160	archana	24	2	2	2	2	1	3	0	0	0
44	aruna	24	2	2	2	1	1	0	0	0	0
585	aruna	24	2	2	0	2	1	2	0	0	0
622	asha	24	2	2	3	2	0	0	0	0	0
30	barathy	24	2	2	2	1	2	1	0	0	0
495	bhavani	24	2	2	2	2	1	0	0	0	0
483	bhuvana	24	2	2	3	2	1	2	0	0	0
147	celin	24	2	2	2	2	1	3	0	0	0
415	chandra	24	2	2	2	1	2	0	0	0	0
471	chitra	24	2	2	2	2	0	0	0	0	0
38	darani	24	2	2	2	1	1	4	0	0	0
468	deepa	24	2	2	2	2	1	3	0	0	0
157	devika	24	2	2	2	2	2	1	0	0	0
166	durga	24	2	2	1	2	1	0	0	0	0
165	enitha	24	2	2	2	2	1	2	0	0	0
40	geetha	24	2	2	2	1	2	1	0	0	0
41	gomathi	24	2	2	2	1	2	1	0	0	0
328	govindamn	24	2	2	1	1	1	0	0	0	0
164	indira	24	2	2	2	2	1	2	0	0	0
502	indrira	24	2	2	1	2	3	1	0	0	0
490	indumathi	24	2	2	2	2	1	4	0	0	0
145	jammuna	24	2	2	2	2	1	3	0	0	0
330	jamuna	24	2	2	1	1	2	1	0	0	0
498	jamuna	24	2	2	3	2	1	0	0	0	0
379	janaki	24	2	2	1	1	2	1	0	0	0
146	janma	24	2	2	2	2	1	2	0	0	0
496	jaya	24	2	2	1	2	1	3	0	0	0
491	kanaga	24	2	2	1	2	1	3	0	0	0
28	kanchana	24	2	2	2	1	0	0	0	0	0
39	kanchana	24	2	2	2	1	1	0	0	0	0
586	kanchana	24	2	2	1	2	1	0	0	0	0
377	kandamma	24	2	2	2	1	2	1	0	0	0
500	kanimozhi	24	2	2	2	2	2	1	0	0	0
479	kanmni	24	2	2	1	2	0	0	0	0	0
357	kannagi	24	2	2	2	1	1	2	0	0	0

363	kannama	24	2	2	2	1	1	0	0	0	0
361	karpagam	24	2	2	2	1	1	4	0	0	0
418	kayalvizhi	24	2	2	2	1	2	1	0	0	0
481	keerthana	24	2	2	1	2	1	3	0	0	0
362	keertika	24	2	2	2	1	2	0	0	0	0
150	kiruba	24	2	2	2	2	1	4	0	0	0
156	kokila	24	2	2	2	2	2	1	0	0	0
27	komala	24	2	2	2	1	0	0	0	0	0
162	komala	24	2	2	2	2	1	3	0	0	0
420	kuppu	24	2	2	2	1	1	2	0	0	0
161	laila	24	2	2	1	2	1	2	0	0	0
29	lakshmi	24	2	2	2	1	1	2	0	0	0
159	lalitha	24	2	2	2	2	1	3	0	0	0
480	latha	24	2	2	2	2	2	4	0	0	0
501	leelavathy	24	2	2	2	2	2	1	0	0	0
148	linda	24	2	2	2	2	1	3	0	0	0
151	lisa	24	2	2	3	2	1	3	0	0	0
152	lisa	24	2	2	3	2	1	3	0	0	0
33	logeswari	24	2	2	2	1	1	3	0	0	0
476	magesh	24	2	2	2	2	2	1	0	0	0
358	mahalaksh	24	2	2	1	1	2	1	0	0	0
167	malini	24	2	2	2	2	0	0	0	0	0
416	malliga	24	2	2	2	1	1	2	0	0	0
411	manjula	24	2	2	2	1	2	1	0	0	0
149	maya	24	2	2	2	2	0	0	0	0	0
378	megali	24	2	1	2	1	2	1	0	0	0
375	muniamma	24	2	1	1	1	2	1	0	0	0
489	muniamma	24	2	1	2	2	1	2	0	0	0
582	muniamma	24	2	3	1	2	1	0	0	0	0
419	murugama	24	2	3	0	2	1	4	0	0	0
475	murugamm	24	2	3	2	2	1	2	0	0	0
153	nadhithiya	24	2	3	1	2	0	0	0	0	0
584	nalini	24	2	3	3	2	2	1	0	0	0
380	nathiya	24	2	3	3	19	1	2	0	0	0
499	nathiya	24	2	3	3	2	2	1	0	0	0
407	neela	24	2	3	3	1	2	0	0	0	0

383	nirmala	24	2	3	3	1	1	0	0	0	0
170	nisa	24	2	3	3	2	2	1	0	0	0
155	padma	24	2	3	3	2	1	2	0	0	0
169	palaniyamr	24	2	3	3	2	1	0	0	0	0
381	paramu	24	2	3	3	1	2	0	0	0	0
412	parasakthi	24	2	3	3	1	2	1	0	0	0
384	ponni	24	2	3	3	1	2	1	0	0	0
168	poornima	24	2	3	3	2	1	0	0	0	0
486	poornima	24	2	3	3	2	0	0	0	0	0
504	priya	24	2	3	3	2	1	3	0	0	0
26	rada	24	2	3	3	1	2	0	0	0	0
163	radika	24	2	3	3	2	1	2	0	0	0
482	rajam	24	2	3	3	2	1	2	0	0	0
410	rama	24	2	3	3	2	1	2	0	0	0
581	rangamma	24	2	3	3	2	2	1	0	0	0
382	rani	24	2	3	3	1	1	4	0	0	0
472	rani	24	2	3	3	2	0	0	0	0	0
173	rashitha	24	2	3	3	2	2	1	0	0	0
359	revathy	24	2	3	3	1	2	1	0	0	0
408	roja	24	2	3	3	1	2	0	0	0	0
470	roopini	24	2	3	3	2	1	3	0	0	0
413	selvam	24	2	3	3	1	2	1	0	0	0
623	sengodi	24	2	3	3	2	1	4	0	0	0
492	shankari	24	2	3	3	2	1	4	0	0	0
583	shoba	24	2	3	3	2	1	3	0	0	0
485	sindghu	24	2	3	3	2	2	1	0	0	0
487	srimalar	24	2	3	3	2	2	1	0	0	0
488	suba	24	2	3	3	2	1	0	0	0	0
493	suba	24	2	3	3	2	2	1	0	0	0
621	sudha	24	2	3	3	2	1	2	0	0	0
34	suja	24	2	3	3	1	2	1	0	0	0
171	sujatha	24	2	3	3	2	1	2	0	0	0
35	sunitha	24	2	3	3	1	2	1	0	0	0
32	tarini	24	2	3	3	1	2	1	0	0	0
158	thangam	24	2	3	3	2	2	1	0	0	0
477	thangam	24	2	3	3	2	2	1	0	0	0

484	thangaman	24	2	3	3	2	1	4	0	0	0
31	thilagavath	24	2	3	3	1	2	1	0	0	0
36	udaya	24	2	3	3	1	1	2	0	0	0
37	uma	24	2	3	3	1	1	2	0	0	0
376	uma	24	2	3	3	1	1	0	0	0	0
579	uma	24	2	3	3	2	1	2	0	0	0
360	vadivu	24	2	3	3	1	1	0	0	0	0
474	valliammal	24	2	3	3	2	0	0	0	0	0
174	vani	24	2	3	3	2	1	0	0	0	0
620	vani	24	2	3	3	2	0	0	0	0	0
24	varalakshm	24	2	3	3	1	0	0	0	0	0
154	varsa	24	2	3	3	2	0	0	0	0	0
172	vasantha	24	2	3	3	2	1	0	0	0	0
46	vasanthi	24	2	3	3	1	1	2	0	0	0
469	veena	24	2	3	3	2	1	0	0	0	0
624	vijaya	24	2	3	3	2	2	1	0	0	0
494	vinotha	24	2	3	3	2	1	4	0	0	0
409	yasmin	24	2	3	3	1	2	1	0	0	0
625	yasmin	24	2	3	3	2	1	3	0	0	0
580	zebin	24	2	2	2	2	1	0	0	0	0
414	myena	24	2	2	2	1	2	1	1	1	1
417	vadivu	24	2	2	2	1	2	1	1	1	1
473	seetha	24	2	2	1	2	2	1	0	1	2
25	rahimunish	24	2	2	0	1	3	0	1	1	3
512	anusa	25	2	2	2	2	2	1	0	0	0
626	devi	25	2	2	3	2	1	0	0	0	0
178	devika	25	2	2	2	2	2	1	0	0	0
50	gomathy	25	2	2	1	1	2	0	0	0	0
47	govindamm	25	2	2	1	1	1	0	0	0	0
52	harshini	25	2	2	1	1	1	2	0	0	0
507	hema	25	2	2	2	2	1	3	0	0	0
51	kanchana	25	2	2	2	1	1	0	0	0	0
589	kayalvizhi	25	2	2	3	2	1	2	0	0	0
508	kiran	25	2	2	2	2	2	1	0	0	0
49	lalitha	25	2	2	3	1	1	2	0	0	0
48	latha	25	2	2	3	1	1	2	0	0	0

627	magalam	25	2	2	3	2	2	1	0	0	0
177	mathi	25	2	2	2	2	2	1	0	0	0
175	maya	25	2	2	2	2	0	0	0	0	0
179	meenakshi	25	2	2	2	2	1	2	0	0	0
176	mohana	25	2	1	3	2	0	0	0	0	0
511	munnira	25	2	3	0	2	1	3	0	0	0
398	rahamathn	25	2	3	3	2	2	0	0	0	0
421	rajalakshm	25	2	3	3	1	1	0	0	0	0
590	sangavi	25	2	3	3	2	1	0	0	0	0
510	selvarani	25	2	3	3	2	2	1	0	0	0
513	sivagami	25	2	3	3	2	1	4	0	0	0
422	sumathy	25	2	3	3	1	1	0	0	0	0
588	susheela	25	2	3	3	2	1	2	0	0	0
587	suzanne	25	2	3	3	2	1	2	0	0	0
397	tamilselvi	25	2	3	3	1	2	1	0	0	0
514	thangamar	25	2	3	3	2	2	1	0	0	0
506	valar	25	2	3	3	2	2	1	0	0	0
505	valli	25	2	3	3	2	1	2	0	0	0
509	vennila	25	2	3	3	2	1	0	0	0	0
462	viji	25	2	3	3	2	2	1	0	0	0
515	banu	26	3	2	2	2	2	0	0	0	0
519	dhanalaksh	26	3	2	2	2	2	1	0	0	0
591	durga	26	3	2	2	2	1	3	0	0	0
628	eswari	26	3	2	1	2	1	0	0	0	0
629	fuiia	26	3	2	1	2	2	1	0	0	0
180	geetha	26	3	2	3	2	2	1	0	0	0
182	jeyanthi	26	3	2	2	2	2	1	0	0	0
181	kalai	26	3	2	1	2	1	0	0	0	0
631	kumudha	26	3	2	2	2	1	2	0	0	0
183	lavanya	26	3	2	3	2	1	3	0	0	0
517	maya	26	3	2	1	2	2	1	0	0	0
423	nalli	26	3	3	3	1	2	0	0	0	0
593	prabha	26	3	3	3	2	1	0	0	0	0
713	puppitha	26	3	3	3	2	1	2	0	0	0
520	sarathy	26	3	3	3	2	1	3	0	0	0
516	savithiri	26	3	3	3	2	2	1	0	0	0

630	sheeba	26	3	3	3	2	2	1	0	0	0
518	sultbana	26	3	3	3	2	1	3	0	0	0
592	sumathy	26	3	3	3	2	2	1	0	0	0
53	vijaya	26	3	3	3	1	2	1	0	0	0
54	seethalaks	26	3	2	1	1	4	1	1	1	2
714	analakshm	27	3	2	2	2	2	0	0	0	0
186	banu	27	3	2	2	2	2	0	0	0	0
56	chandra	27	3	2	1	1	2	1	0	0	0
187	eniya	27	3	2	2	2	2	1	0	0	0
58	gayathri	27	3	2	2	1	3	1	0	0	0
596	gayathri	27	3	2	3	2	2	1	0	0	0
598	gowri	27	3	2	2	2	2	1	0	0	0
184	jeyanthi	27	3	2	2	2	2	1	0	0	0
634	kalavathy	27	3	2	2	2	2	1	0	0	0
595	kanga	27	3	2	2	2	2	1	0	0	0
637	mangalam	27	3	2	2	2	2	1	0	0	0
190	manju	27	3	2	1	2	2	1	0	0	0
594	meena	27	3	2	2	2	2	1	0	0	0
524	nalini	27	3	3	3	2	2	1	0	0	0
635	nallu	27	3	3	3	2	1	0	0	0	0
188	nandhini	27	3	3	3	2	2	0	0	0	0
599	narmddha	27	3	3	3	2	2	2	0	0	0
525	preetha	27	3	3	3	2	2	1	0	0	0
526	prizilla	27	3	3	3	2	2	1	0	0	0
636	pushpa	27	3	3	3	2	2	1	0	0	0
523	radhika	27	3	3	3	2	2	1	0	0	0
189	roja	27	3	3	3	2	2	0	0	0	0
521	sangeetha	27	3	3	3	2	3	0	0	0	0
185	sarala	27	3	3	3	2	1	4	0	0	0
633	selvi	27	3	3	3	2	2	1	0	0	0
597	shankari	27	3	3	3	2	2	1	0	0	0
522	sumi	27	3	3	3	2	2	1	0	0	0
632	vasanthi	27	3	3	3	2	1	2	0	0	0
385	rajeswari	27	3	2	1	1	2	0	1	0	1
386	varalakshm	27	3	2	1	1	2	1	1	1	1
57	latha	27	3	2	1	1	3	1	1	1	2

387	premavathi	27	3	2	1	1	3	1	1	1	2
55	valarmathy	27	3	2	2	1	2	0	1	1	2
650	akila	28	3	2	3	2	1	4	0	0	0
644	angammal	28	3	2	3	2	2	1	0	0	0
538	ananthi	28	3	2	2	2	2	1	0	0	0
209	anupriya	28	3	2	1	2	2	1	0	0	0
715	anulaxmi	28	3	2	3	2	1	3	0	0	0
213	ashwini	28	3	2	1	2	2	1	0	0	0
191	ayesha	28	3	2	3	2	1	0	0	0	0
192	ahsa	28	3	2	3	2	1	0	0	0	0
200	banu	28	3	2	2	2	2	0	0	0	0
533	banu	28	3	2	0	2	2	1	0	0	0
216	bavana	28	3	2	3	2	2	1	0	0	0
600	buelah	28	3	2	2	2	2	1	0	0	0
61	chandra	28	3	2	1	1	2	1	0	0	0
364	chitrkala	28	3	2	2	1	2	1	0	0	0
539	eswari	28	3	2	2	2	2	0	0	0	0
540	gandhi	28	3	2	1	2	2	4	0	0	0
196	geetha	28	3	2	3	2	2	1	0	0	0
315	girija	28	3	2	3	3	1	2	0	0	0
640	hamsa	28	3	2	2	2	2	1	0	0	0
207	harini	28	3	2	3	2	2	1	0	0	0
528	indhu	28	3	2	2	2	2	1	0	0	0
529	indu	28	3	2	1	2	2	1	0	0	0
534	jankai	28	3	2	1	2	2	1	0	0	0
602	jansi	28	3	2	2	2	2	1	0	0	0
601	jennila	28	3	2	2	2	2	1	0	0	0
193	jeyanthi	28	3	2	2	2	2	1	0	0	0
210	jothiyamma	28	3	2	1	2	2	1	0	0	0
541	kalaivani	28	3	2	0	2	2	1	0	0	0
217	kavitha	28	3	2	2	2	2	1	0	0	0
195	komala	28	3	2	1	2	1	2	0	0	0
639	kribavaty	28	3	2	2	2	2	1	0	0	0
214	kumari	28	3	2	3	2	2	1	0	0	0
527	kuppu	28	3	2	3	2	2	1	0	0	0
651	lalitha	28	3	2	1	2	2	1	0	0	0

646	madamma	28	3	2	2	2	2	4	0	0	0
194	mahalaksh	28	3	2	3	2	1	3	0	0	0
537	marimuthu	28	3	2	3	2	2	1	0	0	0
642	meera	28	3	2	1	2	2	0	0	0	0
197	megala	28	3	2	2	2	2	1	0	0	0
317	mituna	28	3	1	2	3	1	0	0	0	0
641	moghana	28	3	1	2	2	2	4	0	0	0
425	muthu	28	3	3	1	1	2	4	0	0	0
532	myena	28	3	3	2	2	2	1	0	0	0
649	mythili	28	3	3	1	2	2	1	0	0	0
208	nandhini	28	3	3	3	2	2	0	0	0	0
215	neeraja	28	3	3	3	2	2	1	0	0	0
716	nirmala	28	3	3	3	2	1	4	0	0	0
424	ponni	28	3	3	3	1	2	1	0	0	0
536	radhika	28	3	3	3	2	2	1	0	0	0
643	rajammal	28	3	3	3	2	2	1	0	0	0
198	revathy	28	3	3	3	2	2	1	0	0	0
199	revathy	28	3	3	3	2	2	1	0	0	0
603	ruba	28	3	3	3	2	2	1	0	0	0
647	sampath	28	3	3	3	2	1	4	0	0	0
388	saradha	28	3	3	3	1	2	1	0	0	0
212	saroja	28	3	3	3	2	2	1	0	0	0
201	shantha	28	3	3	3	2	2	1	0	0	0
316	sita	28	3	3	3	3	2	1	0	0	0
211	sofia	28	3	3	3	2	1	2	0	0	0
206	suda	28	3	3	3	2	2	1	0	0	0
605	suganya	28	3	3	3	2	2	1	0	0	0
604	sumithra	28	3	3	3	2	2	0	0	0	0
63	tamilselvi	28	3	3	3	1	3	1	0	0	0
648	usha	28	3	3	3	2	2	1	0	0	0
638	valli	28	3	3	3	2	2	1	0	0	0
203	vani	28	3	3	3	2	2	1	0	0	0
204	vani	28	3	3	3	2	2	1	0	0	0
645	vani	28	3	3	3	2	1	2	0	0	0
64	vanitha	28	3	3	3	1	2	1	0	0	0
202	vanitha	28	3	3	3	2	2	1	0	0	0

535	veni	28	3	3	3	2	2	1	0	0	0
65	vennila	28	3	3	3	1	2	1	0	0	0
59	vijaya	28	3	3	3	1	2	1	0	0	0
205	wahida	28	3	3	3	2	1	3	0	0	0
728	yasmin	28	3	3	3	2	1	2	0	0	0
72	eswari	28	3	2	2	1	2	1	1	1	1
426	girija	28	3	2	1	2	2	1	1	1	1
68	jeenath	28	3	2	0	1	2	0	1	1	1
530	roghini	28	3	2	2	2	2	0	1	1	1
531	sangeetha	28	3	2	2	2	2	1	0	1	1
71	tulasi	28	3	2	2	1	2	1	1	1	1
343	amsaveni	28	3	2	1	1	2	1	1	1	2
62	dhanalaksh	28	3	2	1	1	2	1	1	1	2
69	nirmala	28	3	2	1	1	2	1	1	1	2
60	rajeswari	28	3	2	1	1	4	1	1	1	2
365	revathi	28	3	2	1	1	2	1	1	1	2
66	sadana	28	3	2	0	1	2	1	1	1	2
73	seethalaks	28	3	2	1	1	4	1	1	1	2
67	sujitha	28	3	2	0	1	2	1	1	1	2
70	santhi	28	3	2	0	1	3	1	1	1	3
336	suganthi	28	3	2	1	1	3	1	1	1	3
545	ambika	29	3	2	2	2	2	2	0	0	0
657	anbumalar	29	3	2	2	2	2	1	0	0	0
230	akila	29	3	2	1	2	2	1	0	0	0
658	bhavani	29	3	2	2	2	2	1	0	0	0
76	chandra	29	3	2	1	1	2	1	0	0	0
718	chellam	29	3	2	1	2	3	1	0	0	0
430	devi	29	3	2	1	1	3	1	0	0	0
547	devi	29	3	2	2	2	2	1	0	0	0
544	durga	29	3	2	2	2	2	1	0	0	0
226	eniya	29	3	2	2	2	2	1	0	0	0
318	girija	29	3	2	3	3	1	2	0	0	0
652	jasmin	29	3	2	2	2	2	1	0	0	0
229	jeyanthi	29	3	2	2	2	2	1	0	0	0
223	kalai	29	3	2	1	2	1	0	0	0	0
653	kalliammal	29	3	2	3	2	2	1	0	0	0

219	komala	29	3	2	1	2	1	2	0	0	0
231	komala	29	3	2	3	2	2	1	0	0	0
389	latha	29	3	2	1	1	2	1	0	0	0
607	mala	29	3	2	2	2	2	1	0	0	0
654	mala	29	3	2	2	2	2	1	0	0	0
78	malarvizhi	29	3	2	1	1	2	1	0	0	0
220	malarvizhi	29	3	2	2	2	2	1	0	0	0
366	mano	29	3	2	1	1	2	1	0	0	0
221	megala	29	3	1	2	2	2	1	0	0	0
719	myena	29	3	3	3	2	2	1	0	0	0
655	mytheli	29	3	3	3	2	2	1	0	0	0
542	nirubha	29	3	3	3	2	2	1	0	0	0
606	nithya	29	3	3	3	2	2	1	0	0	0
232	raga	29	3	3	3	2	2	1	0	0	0
543	sakthi	29	3	3	3	2	2	1	0	0	0
222	sarala	29	3	3	3	2	1	4	0	0	0
717	saroja	29	3	3	3	2	2	1	0	0	0
656	savitha	29	3	3	3	2	2	1	0	0	0
234	savithri	29	3	3	3	2	2	1	0	0	0
218	seethalaks	29	3	3	3	2	2	1	0	0	0
224	shantha	29	3	3	3	2	2	1	0	0	0
319	sita	29	3	3	3	3	2	1	0	0	0
228	sulochana	29	3	3	3	2	2	1	0	0	0
546	tamilarasi	29	3	3	3	2	2	1	0	0	0
77	vani	29	3	3	3	1	2	1	0	0	0
233	vijayalaxmi	29	3	3	3	2	2	1	0	0	0
225	vimala	29	3	3	3	2	2	1	0	0	0
227	wahida	29	3	3	3	2	1	3	0	0	0
429	krthika	29	3	2	2	1	2	1	1	1	1
80	mariamma	29	3	2	1	1	3	1	1	1	1
427	vennila	29	3	2	1	1	2	0	1	1	1
367	gandghi	29	3	2	1	1	3	1	1	1	2
344	jyothi	29	3	2	0	1	2	1	1	1	2
74	rajeswari	29	3	2	1	1	4	1	1	1	2
428	sowmiya	29	3	2	2	1	2	1	1	1	2
75	valarmathy	29	3	2	2	1	2	0	1	1	2

79	santhi	29	3	2	0	1	3	1	1	1	3
81	amala	30	3	2	2	1	2	0	0	0	0
663	amsa	30	3	2	2	2	2	1	0	0	0
666	amsaveni	30	3	2	2	2	1	4	0	0	0
553	annalakshr	30	3	2	0	2	2	1	0	0	0
390	bavani	30	3	2	2	1	2	2	0	0	0
244	chithra	30	3	2	1	2	1	0	0	0	0
608	easwari	30	3	2	2	2	2	1	0	0	0
89	gayathri	30	3	2	2	1	2	1	0	0	0
551	jayakodi	30	3	2	1	2	2	1	0	0	0
245	jayalaxmi	30	3	2	3	2	1	0	0	0	0
664	jothi	30	3	2	1	2	2	1	0	0	0
554	kalivani	30	3	2	2	2	2	0	0	0	0
665	kannama	30	3	2	2	2	1	4	0	0	0
432	kaveri	30	3	2	0	1	2	1	0	0	0
556	kuruvama	30	3	2	1	2	2	1	0	0	0
236	mahalaksh	30	3	2	3	2	2	0	0	0	0
86	malarvizhi	30	3	2	1	1	2	1	0	0	0
237	malarvizhi	30	3	2	2	2	2	1	0	0	0
552	malini	30	3	2	2	2	3	1	0	0	0
557	mytheli	30	3	3	1	2	2	1	0	0	0
667	parveen	30	3	3	3	2	2	1	0	0	0
550	radahabai	30	3	3	3	2	2	1	0	0	0
243	reka	30	3	3	3	2	2	1	0	0	0
246	rosalin	30	3	3	3	2	2	1	0	0	0
661	rosamma	30	3	3	3	2	2	1	0	0	0
82	sakthidevi	30	3	3	3	1	2	0	0	0	0
247	sankari	30	3	3	3	2	2	1	0	0	0
555	sarala	30	3	3	3	2	2	4	0	0	0
659	savithiri	30	3	3	3	2	2	1	0	0	0
548	seetha	30	3	3	3	2	2	1	0	0	0
235	seethalaks	30	3	3	3	2	2	1	0	0	0
660	shantha	30	3	3	3	2	2	1	0	0	0
242	sulochana	30	3	3	3	2	2	1	0	0	0
662	susi	30	3	3	3	2	2	1	0	0	0
84	tamilselvi	30	3	3	3	1	3	1	0	0	0

431	usha	30	3	3	3	2	2	1	0	0	0
240	vanitha	30	3	3	3	2	2	1	0	0	0
241	vimala	30	3	3	3	2	2	1	0	0	0
549	durga	30	3	2	2	2	2	1	1	1	1
87	jeenath	30	3	2	0	1	2	0	1	1	1
91	devi	30	3	2	1	1	3	0	1	1	2
83	dhanalaksh	30	3	2	1	1	2	1	1	1	2
238	gowri	30	3	2	1	2	2	4	1	1	2
368	indu.	30	3	2	1	1	2	1	1	1	2
85	latha	30	3	2	1	1	3	1	1	1	2
337	laxmi	30	3	2	1	1	2	3	1	1	2
345	mangi	30	3	2	1	1	3	0	1	1	2
90	nallama	30	3	2	1	1	3	0	1	1	2
88	nirmala	30	3	2	1	1	2	1	1	1	2
335	prema	30	3	2	1	1	2	1	1	1	2
239	ridha	30	3	2	1	2	2	4	1	1	2
92	tharani	30	3	2	0	1	3	1	1	1	2
671	bharathi	31	4	2	2	2	2	0	0	0	0
732	deepa	31	4	2	2	3	2	1	0	0	0
609	ganga	31	4	2	2	2	2	1	0	0	0
729	girija	31	4	2	1	2	2	1	0	0	0
252	jamuna	31	4	2	2	2	2	1	0	0	0
669	kanmani	31	4	2	1	2	2	1	0	0	0
248	karpagam	31	4	2	0	2	2	1	0	0	0
558	leevathi	31	4	2	2	2	2	1	0	0	0
670	malar	31	4	2	2	2	3	1	0	0	0
610	menaka	31	4	1	2	2	2	1	0	0	0
721	monia	31	4	1	2	2	2	1	0	0	0
720	sindu	31	4	3	3	2	2	1	0	0	0
249	usha rani	31	4	3	3	2	2	1	0	0	0
251	yalini	31	4	3	3	2	3	1	0	0	0
668	yamuna	31	4	3	3	2	2	1	0	0	0
250	yasoda	31	4	3	3	2	1	0	0	0	0
93	andal	31	4	2	2	1	2	1	1	1	2
391	layana	31	4	2	2	1	2	1	1	1	2
369	ramya	31	4	2	2	1	2	0	1	1	2

94	rohini	31	4	2	1	1	2	1	1	1	2
434	anjali	32	4	2	1	2	1	0	0	0	0
559	deena	32	4	2	2	2	2	1	0	0	0
254	eswari	32	4	2	2	2	2	1	0	0	0
255	gitanjali	32	4	2	2	2	2	1	0	0	0
320	gowri	32	4	2	3	3	2	1	0	0	0
261	janaki	32	4	2	2	2	3	1	0	0	0
253	karpagam	32	4	2	0	2	2	1	0	0	0
613	kuruvamm	32	4	2	1	2	2	0	0	0	0
673	lakshmi	32	4	2	1	2	2	1	0	0	0
256	lavanya	32	4	2	2	2	2	1	0	0	0
672	madhu	32	4	2	5	2	2	1	0	0	0
677	murugamm	32	4	3	0	2	2	1	0	0	0
722	niranjana	32	4	3	3	2	2	1	0	0	0
733	padmini	32	4	3	3	3	2	1	0	0	0
730	raji	32	4	3	3	2	2	1	0	0	0
260	ranjitha	32	4	3	3	2	2	0	0	0	0
676	ruba	32	4	3	3	2	2	1	0	0	0
433	saroja	32	4	3	3	1	3	1	0	0	0
674	suganya	32	4	3	3	2	2	1	0	0	0
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257	usha	32	4	3	3	2	2	1	0	0	0
560	vasantha	32	4	3	3	2	2	1	0	0	0
259	viji	32	4	3	3	2	2	1	0	0	0
258	yalini	32	4	3	3	2	3	1	0	0	0
675	parvathy	32	4	2	1	2	2	1	1	1	1
435	rathi	32	4	2	1	2	2	0	1	1	1
346	santhi	32	4	2	0	1	3	0	1	1	1
611	sulthana	32	4	2	2	2	2	1	1	1	1
321	eswari	32	4	2	2	1	2	4	1	1	2
334	laxmi	32	3	2	1	1	2	3	1	1	2
338	naseem	32	4	2	2	1	3	0	1	1	2
333	thara	32	3	2	1	1	3	1	1	1	2
332	rahimunish	32	2	2	0	1	4	0	1	1	3
681	anjala	33	4	2	1	2	2	1	0	0	0
267	asha	33	4	2	2	2	2	1	0	0	0

271	bagyam	33	4	2	2	2	2	1	0	0	0
678	deva	33	4	2	2	2	2	1	0	0	0
262	kala	33	4	2	3	2	2	1	0	0	0
723	kanaga	33	4	2	1	2	2	1	0	0	0
679	lalitha	33	4	2	2	2	2	1	0	0	0
562	lavanya	33	4	2	3	2	2	1	0	0	0
263	meera	33	4	2	0	2	3	1	0	0	0
614	nagammal	33	4	3	1	2	2	1	0	0	0
268	nila	33	4	3	3	2	2	1	0	0	0
682	padmini	33	4	3	3	2	2	1	0	0	0
564	pappathi	33	4	3	3	2	2	1	0	0	0
270	rihana	33	4	3	3	2	3	1	0	0	0
563	ruby	33	4	3	3	2	2	1	0	0	0
96	sabana	33	4	3	3	1	2	1	0	0	0
266	sadana	33	4	3	3	2	1	0	0	0	0
680	santhanam	33	4	3	3	2	3	1	0	0	0
561	saraswathi	33	4	3	3	2	2	1	0	0	0
615	sivagami	33	4	3	3	2	2	1	0	0	0
683	subha	33	4	3	3	2	2	1	0	0	0
269	viji	33	4	3	3	2	2	1	0	0	0
264	yasoda	33	4	3	3	2	1	0	0	0	0
392	suji	33	4	2	1	2	2	0	1	1	1
95	kokila	33	4	2	2	1	3	1	0	1	2
97	rihana	33	4	2	1	1	3	0	1	1	2
265	snega	33	4	2	1	2	3	1	0	1	2
437	sundari	33	4	2	2	1	2	1	1	1	2
436	vijaya	33	4	2	1	1	2	1	1	1	2
98	chithra	33	4	2	1	1	3	1	1	1	3
569	alamalu	34	4	2	2	2	3	1	0	0	0
278	asha	34	4	2	2	2	2	1	0	0	0
438	barani	34	4	2	2	1	2	1	0	0	0
283	daranipriya	34	4	2	2	2	2	1	0	0	0
394	devi	34	4	2	2	1	2	0	0	0	0
693	dhanam	34	4	2	3	2	2	1	0	0	0
685	geetha	34	4	2	2	2	2	1	0	0	0
275	gitanjali	34	4	2	2	2	2	1	0	0	0

282	jeeva	34	4	2	2	2	2	1	0	0	0
274	kala	34	4	2	3	2	2	1	0	0	0
686	kala	34	4	2	2	2	2	1	0	0	0
571	kalpana	34	4	2	1	2	2	1	0	0	0
572	kamsala	34	4	2	2	2	3	1	0	0	0
617	kasthuri	34	4	2	2	2	2	0	0	0	0
694	kirshnaven	34	4	2	3	2	2	1	0	0	0
616	kokila	34	4	2	1	2	3	1	0	0	0
276	lavanya	34	4	2	2	2	2	1	0	0	0
570	maduri	34	4	2	2	2	2	0	0	0	0
695	mangalam	34	4	2	2	2	2	1	0	0	0
272	manjula	34	4	2	3	2	2	1	0	0	0
565	neelavani	34	4	3	3	2	2	1	0	0	0
323	nirosa	34	4	3	3	3	2	1	0	0	0
566	palanimma	34	4	3	3	2	2	1	0	0	0
689	prema	34	4	3	3	2	2	1	0	0	0
281	priya	34	4	3	3	2	2	1	0	0	0
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692	rajammal	34	4	3	3	2	2	1	0	0	0
696	ramayee	34	4	3	3	2	2	0	0	0	0
273	reka	34	4	3	3	2	2	1	0	0	0
687	rohini	34	4	3	3	2	2	1	0	0	0
277	sadana	34	4	3	3	2	1	0	0	0	0
697	saradhi	34	4	3	3	2	2	1	0	0	0
568	sasi	34	4	3	3	2	3	1	0	0	0
567	seeta	34	4	3	3	2	2	1	0	0	0
279	tamilarasi	34	4	3	3	2	2	1	0	0	0
440	thangam	34	4	3	3	1	2	1	0	0	0
691	umyal	34	4	3	3	2	3	1	0	0	0
690	vanaja	34	4	3	3	2	2	0	0	0	0
280	yogalaxmi	34	4	3	3	2	3	1	0	0	0
439	abinaya	34	4	2	1	1	3	1	0	1	1
105	banu	34	4	2	1	1	3	0	1	1	1
104	brinda	34	4	2	1	1	3	0	1	1	1
103	celin	34	4	2	1	1	2	1	1	1	1
370	eswari	34	4	2	2	1	2	1	1	1	1

688	lilly	34	4	2	1	2	2	4	0	1	1
102	nalini	34	4	2	1	1	2	1	1	1	1
101	nithya	34	4	2	1	1	2	1	1	1	1
100	vani	34	4	2	1	1	2	1	1	1	1
106	gandimathi	34	4	2	1	1	3	0	1	1	2
347	kamala	34	4	2	0	1	3	1	1	1	2
99	kokila	34	4	2	2	1	3	1	0	1	2
348	mumtaj	34	4	2	1	1	2	0	1	1	2
393	neela	34	4	2	2	1	3	1	1	1	2
339	ranjani	34	4	2	1	1	2	1	1	1	2
322	wahida	34	4	2	2	1	2	4	1	1	2
573	abirami	35	4	2	2	2	2	1	0	0	0
290	anu	35	4	2	1	2	3	1	0	0	0
698	angammal	35	4	2	3	2	3	0	0	0	0
285	eswari	35	4	2	2	2	2	1	0	0	0
324	gowri	35	4	2	3	3	2	1	0	0	0
577	gunavathi	35	4	2	0	2	2	1	0	0	0
292	jeyanthi	35	4	2	2	2	2	1	0	0	0
724	kalai	35	4	2	2	2	3	0	0	0	0
701	kalyani	35	4	2	1	2	2	1	0	0	0
576	kumari	35	4	2	2	2	2	1	0	0	0
725	madumitha	35	4	2	1	2	2	1	0	0	0
734	malar	35	4	2	3	3	2	1	0	0	0
700	meenachi	35	4	2	2	2	2	1	0	0	0
286	meera	35	4	2	0	2	3	1	0	0	0
289	nila	35	4	3	3	2	2	1	0	0	0
703	nithya	35	4	3	3	2	2	1	0	0	0
291	rada	35	4	3	3	2	2	1	0	0	0
107	sabana	35	4	3	3	1	2	1	0	0	0
702	suseela	35	4	3	3	2	2	1	0	0	0
574	thamari	35	4	3	3	2	2	1	0	0	0
699	thilaga	35	4	3	3	2	2	1	0	0	0
288	usha	35	4	3	3	2	2	1	0	0	0
284	usha rani	35	4	3	3	2	2	1	0	0	0
575	vani	35	4	3	3	2	2	0	0	0	0
109	mary	35	4	2	2	1	2	1	1	1	1

108	andal	35	4	2	2	1	3	1	1	1	2
371	ganga	35	4	2	0	1	3	1	1	1	2
395	jhansi	35	4	2	2	1	3	1	1	1	2
287	snega	35	4	2	1	2	2	1	0	1	2
349	vanitha	35	4	2	0	1	3	0	1	1	2
329	nisha	35	2	2	2	1	3	1	1	1	3
110	krishnaven	36	5	2	1	1	2	1	0	0	0
618	radhika	36	5	3	3	2	2	1	0	0	0
350	sita	36	5	2	1	1	3	1	1	1	2
704	asma	37	5	2	2	2	2	1	0	0	0
326	farhana ba	37	5	2	3	3	2	1	0	0	0
293	latha	37	5	2	2	2	2	1	0	0	0
325	poulin	37	5	3	3	3	2	1	0	0	0
726	rathna	37	5	3	3	2	3	1	0	0	0
731	ropan	37	5	3	3	2	2	1	0	0	0
372	jeeva	37	5	2	2	1	2	1	1	1	3
297	devi	38	5	2	2	2	2	0	0	0	0
705	karbagam	38	5	2	2	2	2	1	0	0	0
706	kiruba	38	5	2	2	2	2	1	0	0	0
707	malar	38	5	2	2	2	2	1	0	0	0
299	meena	38	5	2	2	2	2	1	0	0	0
296	parvathy	38	5	3	3	2	2	0	0	0	0
327	poulin	38	5	3	3	3	2	1	0	0	0
111	renuga	38	5	3	3	1	2	1	0	0	0
112	sindu	38	5	3	3	1	2	1	0	0	0
300	sindu	38	5	3	3	2	2	1	0	0	0
301	swapna	38	5	3	3	2	2	1	0	0	0
295	uma	38	5	3	3	2	2	1	0	0	0
298	usha	38	5	3	3	2	2	0	0	0	0
302	vinoda	38	5	3	3	2	2	0	0	0	0
294	yasmin	38	5	3	3	2	3	1	0	0	0
396	megala	38	5	2	2	1	3	1	1	1	2
727	dhanam	39	5	2	1	2	2	0	0	0	0
306	hema	39	5	2	2	2	2	1	0	0	0
113	janagi	39	5	2	1	1	2	1	0	0	0
114	janani	39	5	2	1	1	2	1	0	0	0

710	kalayni	39	5	2	2	2	2	1	0	0	0
307	malini	39	5	2	2	2	2	1	0	0	0
709	nagammal	39	5	3	1	2	3	1	0	0	0
305	parvathy	39	5	3	3	2	2	0	0	0	0
304	shenbagan	39	5	3	3	2	2	1	0	0	0
308	sindu	39	5	3	3	2	2	1	0	0	0
309	swapna	39	5	3	3	2	2	1	0	0	0
708	valar	39	5	3	3	2	2	1	0	0	0
310	vinoda	39	5	3	3	2	2	0	0	0	0
303	yasmin	39	5	3	3	2	2	0	0	0	0
340	sujatha	39	5	2	0	1	2	1	1	1	3
712	baby	40	5	2	2	2	2	0	0	0	0
711	deepa	40	5	2	2	2	2	1	0	0	0
115	krishnaven	40	5	2	1	1	2	1	0	0	0
313	latha	40	5	2	2	2	2	1	0	0	0
314	meena	40	5	2	2	2	2	1	0	0	0
311	shenbagan	40	5	3	3	2	2	1	0	0	0
312	uma	40	5	3	3	2	2	1	0	0	0

AGE GROUP :
1- 20 YRS
2- 21 -25 YRS
3- 26-30 YRS
4- 31-35 YRS
5- 36- 40 YRS
S

AGR AT MARRIAGE
1- 15 - 20 YRS
2- 21 - 25 YRS
3- 26 - 30 YRS

PARITY
0- NULLIPAROUS
1- PARA 1
2- PARA 2
3- PARA 3
4- PARA 4 AND ABOVE

SOCIOECCONOMIC STATUS
1- <RS.2000
2- RS.2000- RS. 5000
3- >RS5000

EDUCATION
0- NIL
1- 1-5 STANDARD
2- 6-12 STANDARD
3- DEGREE

VIA/VILI RESULTS
0- NORMAL STUDY
1- POSITIVE

CONTRACEPTION
0- NO CONTRACEPTION
1- PUERPERAL STERILISATION
2- BARRIER METHOD- CONDOM
3- CONTRACEPTIVE PILL
4- INTRAUTERINE CONTRACEPTIVE DEVICE

BIOPSY RESULT
0- NORMAL
1- CHRONIC NON SPECIFIC CERVICITIS
2- LSIL
3- HSIL

COLPOSCOPY
0- NORMAL
1- S